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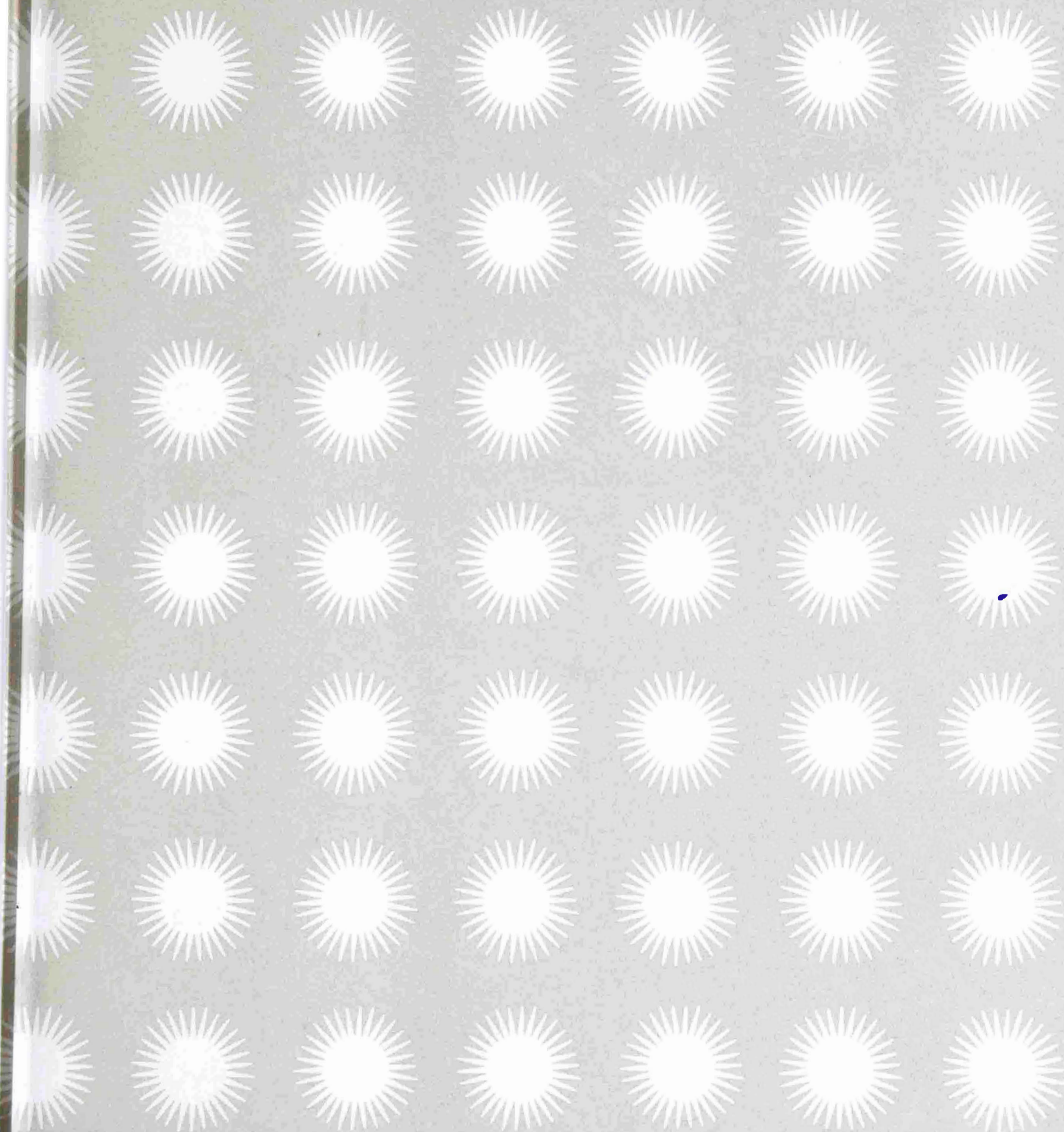
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COLBY COLLEGE CATALOGUE

September 1982



COLBY
COLLEGE
CATALOGUE

September 1982

WATERVILLE, MAINE

Inquiries to the college should be directed as follows:

ACADEMIC COUNSELING	JANICE SEITZINGER, <i>Dean of Students</i> , ext. 2103
ADMISSION	ROBERT P. McARTHUR, <i>Dean of Admissions and Financial Aid</i> , ext. 2173
ADULT EDUCATION AND SUMMER PROGRAMS	ROBERT H. KANY, <i>Director of the Division of Special Programs</i> , ext. 2631
BUSINESS MATTERS	ANNE S. GRANGER, <i>Assistant Treasurer/Senior Accountant</i> , ext. 2179
GRANTS, LOANS, AND STUDENT EMPLOYMENT	GARY N. WEAVER, <i>Director of Financial Aid</i> , ext. 2379
HEALTH AND MEDICAL CARE	CARL E. NELSON, <i>Director of Health Services</i> , ext. 2398
PUBLIC AFFAIRS	PETER J. KINGSLEY, <i>Director</i> , ext. 2226
RECORDS AND TRANSCRIPTS	GEORGE L. COLEMAN II, <i>Registrar</i> , ext. 2199

Mailing address: Colby College, Waterville, Maine 04901.
Telephone: (207) 873-1131.

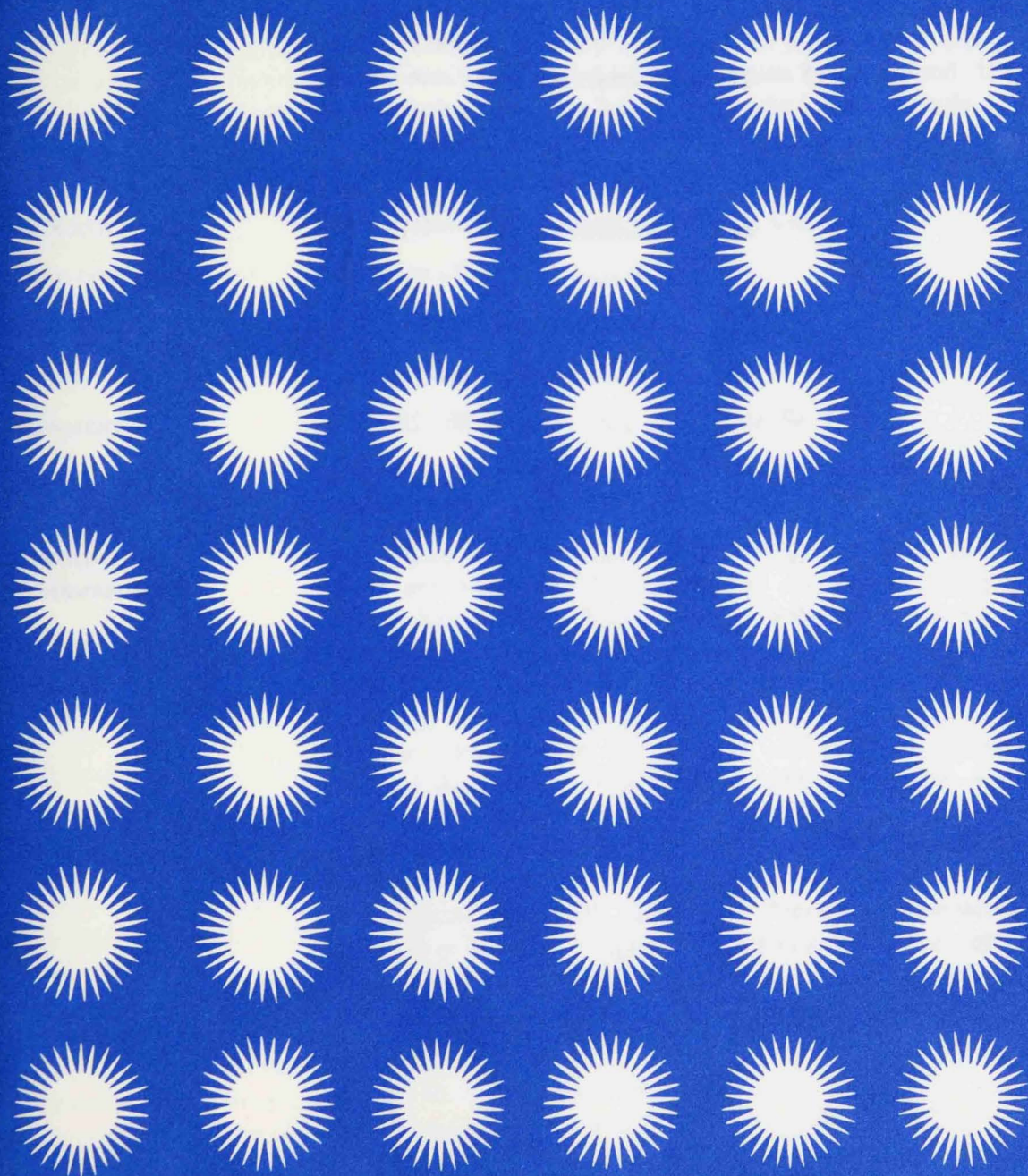
A booklet, *Colby*, with illustrative material, has been prepared for prospective students and may be obtained from the dean of admissions.

Colby College is accredited by the New England Association of Schools and Colleges. Membership in the association indicates that the institution has been carefully evaluated and found to meet standards agreed upon by qualified educators.

Colby College admits qualified students of any race, religion, or national or ethnic origin without regard to sex or handicapped status. It does not discriminate on the basis of such criteria in its educational or employment policies, or in its athletic, scholarship, loan, or other college-administered programs. Colby is an affirmative action/equal opportunity employer and operates in accordance with federal and state laws regarding nondiscrimination.

The college reserves the right in its sole judgment to make changes of any nature in its program, calendar, academic schedule, fees, deposits, or any other matters in this catalogue.

I General Information



I GENERAL INFORMATION

- 6 ADMISSION
- 11 ORIENTATION
- 12 STUDENT FEES
- 18 FINANCIAL AID
- 19 CAREER PLANNING
- 23 GENERAL REGULATIONS
- 26 THE LIBRARY
- 28 THE CAMPUS
- 31 CAMPUS LIFE
- 39 COLBY YESTERDAY AND TODAY

Colby College

Chartered as Maine Literary and Theological Institution by the General Court of Massachusetts, February 27, 1813. First classes, 1818. Authorized to confer degrees by the first legislature of Maine, June 19, 1820. First Commencement, 1822. Name changed to Waterville College, February 5, 1821; changed to Colby University, January 23, 1867; changed to Colby College, January 25, 1899. An independent college of liberal arts for men and women (women first admitted, 1871), nonsectarian, and founded under Baptist auspices, Colby is the twelfth oldest independent liberal arts college in the country and fifth oldest in New England.

CORPORATE NAME	The President and Trustees of Colby College.
DEGREE CONFERRED	Bachelor of Arts.
ENROLLMENT	1,675 (opening, 1981).
FACULTY	146 full-time and part-time.
ENDOWMENT	\$30,801,188 (market value as of June 30, 1981).
LIBRARY	365,000 volumes and 66,095 microtexts; 1,450 subscriptions to periodicals.
ACCREDITATION AND MEMBERSHIPS	Accredited by New England Association of Schools and Colleges, and American Chemical Society. Member of College Entrance Examination Board, College Scholarship Service, Association of American Colleges, American Council on Education, National Association of Independent Colleges and Universities, New England Board of Higher Education, Council for the Advancement and Support of Education, American Library Association, New England Library Network, Center for African and Afro-American Studies, New England Regional Conference of the National Council for Black Studies, American Institute of Indian Studies, and American Studies Association. Corporate member of American Association of University Women; chapter of American Association of University Professors; New England Small College Athletic Conference. Colby chapter of Phi Beta Kappa founded 1895.

Admission

Colby College admits students as candidates for the degree of Bachelor of Arts. Admission is selective, and evaluation is based on data concerning academic achievement and ability, as well as qualities of intellectual promise, interest and excitement in learning, character, and maturity.

The college actively seeks applicants who have special qualities or talents to contribute to the Colby community, as well as those who represent diverse geographical, racial, and economic backgrounds. Such candidates are expected to be within acceptable ranges of academic ability and preparation.

The quality of a candidate's preparation is judged by the academic record, the recommendations of school authorities, and results of tests administered by the College Entrance Examination Board or by the American College Testing Program.

To ensure a common educational base, a minimum of sixteen academic preparatory units is recommended, including: four in English, two in foreign language, three in college preparatory mathematics, one in history or social studies, one in laboratory science, and five in college preparatory electives.

Colby College supports the efforts of secondary school officials and governing bodies to have their schools achieve regional accredited status to provide reliable assurance of the quality of the educational preparation of its applicants for admission.

APPLICATION PROCEDURE

(1) Candidates submit applications provided by the admissions office prior to February 1 of the year admission is desired. A nonrefundable fee of \$30 accompanies each application.

(2) Colby grants early decision to well-qualified candidates who have made the college their first choice. Applicants submit application forms and required standardized tests (see section on TESTS) prior to January 1, and include the printed form requesting early decision. Early decision candidates may file regular applications to other colleges with the understanding that these will be withdrawn if the candidate is accepted on an early decision basis at Colby.

College notification of early decision action is normally given within two weeks of the receipt of the completed application but no earlier than December 1. Candidates who have not been approved for early decision are deferred to the college's regular

admission plan and are reviewed without prejudice at the usual time in the spring.

The schedule for admissions applicants is:

January 1: Deadline for filing applications for early decision admission and financial aid.

February 1: Deadline for filing applications for regular admission and financial aid.

Mid-April: Notification of action by admissions committee to regular applicants.

May 1: Accepted regular applicants confirm intention to attend Colby by payment of \$200 advance tuition deposit.

INTERVIEWS

Interviews, though not required, are available on campus from May 1 to January 31. Appointments may be scheduled between 9:00 a.m. and 4:00 p.m. on weekdays, and on Saturday mornings from August through January. Group information sessions are also available on these Saturday mornings.

Interviews with alumni can be arranged for students who are unable to visit the campus and would like some additional personal contact and information about the college.

CAMPUS VISITS

A visit is encouraged. Guides are normally available at the admissions office on weekdays, and tours are also possible on Saturday and Sunday afternoons when arrangements are made in advance. A list of motels near the campus is available from the admissions office.

High school seniors who wish to spend a night on campus may do so through the Colby Host Program. The program operates five days a week (Sunday through Thursday) throughout the academic year, with the exception of examination and vacation periods. Requests for accommodations through the host program should be directed to the admissions office at least two weeks prior to the visits. Accommodations are limited to one night.

For those driving, Colby is reached from the Maine Turnpike and I-95; Waterville is served by Greyhound Bus and Bar Harbor Airlines.

TESTS

Colby requires either the CEEB Scholastic Aptitude Test (SAT) and three achievement tests—one of which should be English

composition—or the ACT tests. CEEB SAT and achievement tests are preferred. A foreign language test is recommended for students seeking exemption from the language requirement. All required tests should be taken no later than January of the senior year. Early decision candidates must take these tests by November of their senior year. A request should be made by the applicant that test results be sent to Colby. Students taking the CEEB tests should contact the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey 08540 (or P.O. Box 1025, Berkeley, California 94701, for those living in Montana, Wyoming, Colorado, New Mexico, or points farther west). Students taking ACT tests should make requests to P.O. Box 168, Iowa City, Iowa 52243.

ADVANCED STANDING

Colby participates in the Advanced Placement Program of the College Entrance Examination Board, providing academic credit for students qualified for advanced standing. Those interested take CEEB advanced placement tests and have them submitted to Colby for evaluation. Students scoring four or five receive automatic placement and credit from the college. Scores of three and below are evaluated by the academic department concerned.

In addition to earning advanced placement credits, regularly enrolled students may earn credit by examination in freshman- or sophomore-level courses to a maximum of twelve hours. Departmental examinations or external examinations approved by the department may be used, with credit given for the equivalent of at least C-level work. The cost of each examination is borne by the student.

EARLY ADMISSION

A small number of students are admitted without completing the senior year of secondary school. This is done only upon the recommendation of the secondary school and when a candidate has exhausted the educational opportunities at the school. Considerations of academic and personal maturity are important to the candidate and to the college in earlier-than-usual admission.

TRANSFER STUDENTS AND VETERANS

First consideration in admission is for freshmen, but some transfer students are accepted each year. Admission by transfer

is normally limited to those with satisfactory academic and personal records from accredited colleges or universities.

Transfer application forms, including a special recommendation form, may be obtained from the admissions office. Credits from accredited institutions are generally accepted for courses comparable to ones offered at Colby in which grades of *C* or better are received. No more than sixty transferred credit hours may be applied toward a Colby degree.

Veterans may request advanced standing consideration for completion of service schools or USAFI courses in advance of matriculation. Credit is not granted for military service or College Level General Educational Development Tests.

HEALTH CERTIFICATE

Before matriculation, each student must present a Colby College health certificate, which includes a physical examination to be completed and signed by the home physician. Evidence of tetanus toxoid immunization within the last five years and completed immunizations for measles, mumps, German measles, and polio are required to be recorded on the certificate. A current tuberculin test is required and, if positive, a chest X-ray. (This requirement is waived for those students who may have had a BCG vaccine.) Preregistration cannot be guaranteed unless all required forms are received two weeks prior to registration.

NONMATRICULATED STUDENTS

Application to enroll as a nonmatriculated student must be made to the dean of admissions, who has the responsibility for the admission of all students. Registration in individual courses requires the approval of the course instructor, and may be limited; matriculated students have priority in admission to courses with limited enrollments.

All persons seeking to take courses for credit must present evidence that they are qualified to pursue the intended courses, and must pay the established fee. A limited number of gifted Waterville area secondary students may be recommended by their schools to take a course for a nominal administrative charge. Adults from the Waterville area who are not degree candidates may qualify to take courses at one half the usual fee.

Persons wishing to enroll as auditing students must also apply to the dean of admissions, and are referred to the section on AUDITING COURSES elsewhere in this catalogue.

FOREIGN STUDENTS

Colby has traditionally encouraged the enrollment of students from other countries and is actively engaged in programs of international cooperation and exchange.

Students from foreign countries other than Canada should write to the dean of admissions for a preliminary application form. Upon its receipt, the college will determine whether or not the candidate has the potential for completing the requirements for a Colby degree. If the decision is affirmative, application material will be forwarded.

Applicants should be aware that financial aid for foreign students is extremely limited.

All foreign applicants are encouraged to take the Scholastic Aptitude Test (SAT) if it is offered in a student's home country. In addition, applicants who have attended a school in which the medium of instruction is not English are required to take the Test of English as a Foreign Language (TOEFL). The college has no program to teach English as a foreign language.

There is a director of intercultural activities who serves as special adviser to foreign students.

Orientation

From the time of admission until they arrive on campus, new students are invited to make use of a “hot line” to the college to get answers to any questions they may have. An on-campus orientation program for freshmen and other new students is held just before the beginning of each new semester. The program includes an introduction to the intellectual and social life of the college, meetings with faculty and staff advisers, and placement examinations. Prior to the orientation, freshmen may participate in COOT (Colby Outdoor Orientation Trips), conducted by upperclassmen and faculty members.

READING TESTS

Tests during orientation week determine levels of speed and comprehension. Students with low scores are offered assistance in a developmental reading program.

PLACEMENT IN MATHEMATICS

Interviews are scheduled for freshmen who have not taken the advanced placement examination in mathematics but who seek advice on placement in the sequence of mathematics courses.

PLACEMENT IN FOREIGN LANGUAGES

The college language requirement for 1982-83 is met at entrance by a score of sixty or more on the CEEB language achievement test.

Students *continuing* a foreign language at Colby are placed on the basis of the CEEB achievement test in that language. They are expected to take that test in their senior year or the last year of study of the language at the secondary-school level. If they have not taken this test, or if more than one year has elapsed since the test was taken, and they wish to continue the study of the language, they must take the language placement test during the freshman orientation program. Those presenting two or more units for entrance continue in courses above the 121, 122 level, with the following exceptions:

- (1) If the last year of a student's study of the language was the sophomore year in high school, regardless of the number of years of previous study, he may enroll in 121, 122 for credit.
- (2) If a student has had two or more years of language work that terminated in the junior or senior year, he may repeat the language with credit only if the department determines, on the basis of the CEEB placement test, that the preparation received is not adequate for the 123, 124 level.

Student Fees

ANNUAL BASIC CHARGES		<i>Sem. I</i>	<i>Sem. II</i>	<i>Total</i>
1982-83	Tuition	\$4,050	\$3,240	\$7,290
	Board	785	625	1,410
	Room	775	615	1,390
	General Fee	360		360
		<hr/>	<hr/>	<hr/>
		\$5,970	\$4,480	\$10,450

CALENDAR OF PAYMENTS			
1982-83	<i>Upon acceptance for admission</i>	Nonrefundable admission deposit— freshmen	\$ 200
	<i>June 15</i>	Nonrefundable attendance deposit for first semester—upperclassmen	\$ 200
SEMESTER I	<i>On or before August 15</i>	Five ninths of annual basic charges for tuition, board, and room, plus the general fee for the year <small>(Note: Admission, attendance, and room deposits, if paid, may be deducted from this first semester payment.)</small>	\$5,970
	<i>November 15</i>	First semester statement	
	<i>November 15</i>	Nonrefundable attendance deposit for second semester—all students	\$ 200
SEMESTER II	<i>On or before January 10</i>	Four ninths of annual basic charges for tuition, board, and room <small>(Note: Second semester attendance deposit, if paid, may be deducted from this second semester payment.)</small>	\$4,480
	<i>April 4</i>	Second semester statement	
	<i>April 4</i>	Room deposit for first semester of the following year	\$ 100

PAYMENTS MUST BE MADE IN ACCORDANCE WITH THIS CALENDAR OF PAYMENTS
WHETHER OR NOT REMINDER NOTICES ARE RECEIVED FROM THE COLLEGE.

**FEES AND CHARGES
EXPLAINED**

DEPOSITS *Admission Deposit—Freshmen:* A nonrefundable deposit of \$200 is due on or before the date for confirmation of intention to attend. This deposit is deductible from the first semester payment due August 15.

Room Deposit: All upperclass students must, in order to reserve a room for the first semester of the following college year, make a \$100 deposit on or before April 4. This deposit will be forfeited if the student does not return to college, unless the room reservation is withdrawn on or before June 15.

Attendance Deposit for First Semester: A nonrefundable deposit of \$200 is required of all upperclass students on or before June 15 each year. Room reservations and places in their respective classes will not be held for students failing to make this deposit. For entering students, the \$200 admission deposit satisfies this requirement.

Attendance Deposit for Second Semester: A nonrefundable deposit of \$200 is required of all students on or before November 15 each year. Room reservations and places in their respective classes will not be held for students failing to make this deposit.

The attendance deposit of a student who does not return to Colby will be retained as a credit on the student's account for one year. If the student does not return the following year, the deposit will be forfeited.

ADVANCE PAYMENTS Increases in costs may necessitate an adjustment in charges.

Tuition: The tuition charge for full-time students is \$7,290 per year and must be paid prior to each semester in accordance with the calendar of payments. For schedules of fewer than nine hours, the tuition charge is \$250 per credit hour. Nonmatriculating students will be charged at the rate of \$250 per credit hour.

Board: Board in college dining halls is charged at the rate of \$1,410 per year. Payment must be made prior to each semester in accordance with the calendar of payments. All students living on campus are required to pay the board charge to the college.

Room: The room charge in college dormitories is \$1,390 per year, payable prior to each semester in accordance with the calendar of payments. Students are expected to occupy college

housing facilities to the full extent of their availability. Other arrangements may be made only with specific approval of the dean of students. Dormitory reservations are made through the office of the dean of students.

The above schedule of charges is for the on-campus students. For off-campus students, the total charge for the fall term will be \$4,550, and for the spring term it will be \$3,350. These amounts provide for a refund of ninety-one percent of board and room. In effect, students who choose to live off campus will be asked to help defray a portion of the fixed costs associated with the operation of a residential college.

General Fee: The general fee (compulsory for all students) is \$360 for the year and is payable in full prior to the first semester in accordance with the calendar of payments. Included in the general fee are sums allocated for the Student Association and such student organizations as it chooses to support, funding of the college health services, and a mandatory sickness and accident insurance policy, which covers twelve months beginning August 16. No additional fee is required for staff services in the student health center.

SEMESTER STATEMENTS Adjustments and charges for miscellaneous items not billed prior to registration are included on semester statements issued November 15 and April 4.

MISCELLANEOUS CHARGES *Fraternity Fee:* Fraternity members are charged a fee in excess of the room rent established for college dormitories. The fee, determined by each fraternity, applies whether or not the student resides in the fraternity house.

Applied Music: Students receiving musical instruction under the applied-music program are charged a fee of \$90 for a one-credit course and \$150 for a two-credit course.

January Program: Those January programs which require extensive travel, special materials, or highly specialized outside instruction each carry a fee that reflects the extraordinary costs of the individual program. These fees are published annually in the January program brochure.

Colby in Caen: In lieu of the regular charges for tuition, room, board, and general fee, a fee of \$6,400 is charged to students participating in the Colby in Caen program. The program involves a year of study in France under the supervision of a Col-

by faculty member. Because of the nature of this program, it carries a set of deadlines, refund policies, and deposits separate from the rest of the academic programs offered by the college. Further details are available in the Colby in Caen brochure.

Fines: Fines are charged to students' accounts for violations of college regulations in the following areas: auto registration, parking, late return of library books, late registration for academic programs, checks returned as uncollectible, and disciplinary actions.

Damage to or Loss of College Property in Dormitory Rooms: Liability for damage to or loss of college property located within individual dormitory rooms lies with the resident(s) of the room. The dean of students requires all students living in college dormitories to enter into a room contract covering this liability. Students are billed at the time that they move out of the room for any damage to or loss of college property which occurred within that room.

Damage to or Loss of College Property in Dormitory Common Areas: When damage to or loss of college property occurs in dormitory common areas (lounges, hallways, lobbies, bathrooms, etc.), the dean of students makes every effort to identify the individuals responsible and to bill them immediately. In cases where the dean determines that responsibility lies with the residents of a specific section of a dormitory, those students will be billed immediately. When the individuals responsible for damage to or loss of college property cannot be identified, the cost of repair or replacement is accumulated by dormitory. At the end of each semester, the dean of students, in cooperation with the buildings and grounds department, determines the cost of all unidentified damage to and loss of college property and bills it to the residents of each dormitory on a pro rata basis.

Other Damage to or Loss of College Property: Any student found to be responsible for damage to or loss of college property will be billed for the cost of the damage or loss. In addition, the individual will be subject to disciplinary action, including possible suspension or expulsion.

PAYMENT OF BILLS

Tuition, board, room, general fee, and any other financial obligation to the college must be paid in full in accordance with the CALENDAR OF PAYMENTS (see previous pages) before a stu-

dent is permitted to register or attend classes. Students are held responsible for the payment of their accounts. It is up to them to be aware of their financial obligations and to ensure that appropriate arrangements for their payment are made. Students with outstanding bills to the college will not be allowed to graduate or receive grades and transcripts until all such bills have been paid. The college provides a parent loan plan to enable parents to pay a portion of college charges over an extended period of time. Details on the parent loan plan are available from the financial aid office.

Other plans providing for monthly payments at moderate cost are available through the Insured Tuition Payment Plan, 53 Beacon Street, Boston, Massachusetts 02108, and Academic Management Services, Inc., P.O. Box 1000, Pawtucket, Rhode Island 02860.

Students and parents must deal directly with the business office concerning college bills. No other office of the college has responsibility for their collection. Failure to remit payments on loans administered by the college will result in the suspension of administrative services by the college, including the release of academic and financial aid transcripts, recommendations, or other information not excluded by law.

REFUNDS

In case of voluntary withdrawal, refund may be made of the balance of a student's account in excess of charges. The general fee is not refundable. Tuition, board, and room rent are charged according to the following schedule:

During first two weeks of classes	20% charged
During third and fourth weeks of classes	40% charged
During fifth week of classes	60% charged
During sixth week of classes	80% charged
Thereafter	100% charged

A pro rata charge for tuition, room, and board will be made to students who withdraw upon advice from the college physician.

Revised charges for students withdrawing from college will be paid from the following sources in this order: (1) from federally funded programs, if any, to the extent allowable under refund regulations pertinent to those programs, (2) from payments made by the student or the student's parents, (3) from

outside scholarships, if any, (4) from Colby loans, if any, (5) from Colby financial aid, if any.

Whenever a student is required to withdraw because of unsatisfactory conduct, no refund will be made.

No refunds will be made to withdrawing students until the withdrawal process is completed.

A refund of raw food costs for the period of the January program is given to students who have completed the first semester with a board contract, and who do not live or eat on campus during the January program. Any attempt to eat or stay on campus during the January program will result in forfeiture of the refund. Refunds will be credited to student accounts at the beginning of the second semester.

OVERPAYMENTS

Credit balances on semester statements are ordinarily carried forward to the student's account for the following semester. After semester statements have been issued, written requests for refund of credit balances will be honored promptly by the business office. Refunds will be made to either the student or to the person responsible for payment of the account. Information concerning the status of a student's account may be obtained from the business office upon request. Credit balances on the accounts of graduating seniors will be refunded automatically.

Financial Aid

Financial aid is offered to students evidencing need as well as academic and personal promise. In an effort to insure equal access and opportunity for those from all socioeconomic backgrounds, Colby awards annually three and one half million dollars in grants, loans, and campus employment to approximately 585 students, or thirty-five percent of the enrollment. The average award in 1982-83 is expected to be approximately \$6,000. In addition, Colby administers the full range of federal and state financial aid programs, including Pell Grants, Supplemental Grants (SEOG), National Direct Student Loans, College Work-Study, and Guaranteed Student Loans.

As a member institution of the College Scholarship Service (css), Princeton, New Jersey, Colby requires new aid applicants to submit the Financial Aid Form to the css before February 15. An analysis of the form determines need within the context of college policy and the schedule of student fees.

As an additional financing option, Colby now offers parent loans to any family with a combined income of less than \$80,000. A \$5,000 maximum loan is possible with interest at from nine to eleven percent.

Early decision applicants should request from the college before January 15 a special institutional application for financial aid.

Students seeking more detailed information may write for the pamphlet *Student Financial Aid at Colby College* or contact the director of financial aid.

Career Planning

The programs of career planning are designed to teach lifelong skills and techniques that will assist in career choices, such as job-search techniques and skills and values identification. In addition, the programs emphasize learning about various occupations so that the office may help in finding a meaningful first job upon graduation.

Workshops are offered to all underclassmen in career planning, determining job skills, graduate school planning, and other areas that are relevant to making career choices. Prelaw, prebusiness, and premedical advising is started early to assure preparation for related professions. Personal counseling is available from faculty members and the staff of the career planning office.

Colby offers a variety of programs through which students may experience the professions. Internships, independent study projects during January, summer job workshops, alumni advisory panels, and professional-school discussion workshops are some of these opportunities.

Underclassmen may use the extensive computerized System of Interactive Guidance and Information, designed by the Educational Testing Service in Princeton, New Jersey. This three- to six-hour computer program provides skills testing, value determination, and thorough information about hundreds of professions.

The office provides a lifetime reference file service and information on summer jobs, internships, professional schools, and fellowships.

Through counseling, career workshops, systems for practical professional training, and an extensive library, the office of career planning is committed to the belief that a broad understanding of the professions and practical experience are essential in preparing for a vocation.

ADMINISTRATION

Many Colby graduates enter graduate programs in business, public, and hospital administration at such institutions as Harvard, Stanford, Chicago, Cornell, Wharton, and Amos Tuck. Some enter graduate schools to study more specialized areas of administrative science. Still others begin to pursue administrative careers directly upon graduation, often to return to graduate school at a later time. Seniors interested in a career in ad-

ministration are urged to take the graduate management admission test, whether they plan to attend graduate school immediately or not. All students interested in business or nonbusiness administrative careers, irrespective of major, are encouraged to consult with the administrative science faculty as early as possible in their college careers.

ARTS AND SCIENCES

Many Colby graduates in the humanities, the social sciences, and the natural sciences go on to study for advanced degrees. Those students interested in graduate study should confer regularly with department chairmen and their major advisers.

EDUCATION

The committee on professional preparation for careers in education and in related fields advises students on which courses and field experiences would provide the strongest possible liberal arts background. (Students must major in at least one academic discipline.) Career guidance and counseling are available from Professors Jacobson and M. Mavrincac, Eustis 203. Early consultation is advisable.

ENGINEERING

Colby College, the University of Rochester, and Case Western Reserve University are affiliated in joint programs whereby a student may acquire an education in the liberal arts and also in engineering in a five-year period, with three years spent at Colby and two at either Rochester or Case Western Reserve. On successful completion of the program, the student is awarded a Bachelor of Arts degree from Colby and a Bachelor of Science in Engineering degree from the chosen university.

While at Colby, the engineering student must attain mastery of the necessary mathematics and science to support him in the intensive study of engineering that will follow. In his Colby program, however, he is assured a broad grounding in the humanities and social sciences as well.

Students graduating in this program are exempt from Colby's usual requirement of residence during the senior year, but all other graduation requirements must be met.

The chairman of the physics department serves as adviser to students intending to enter the joint program. He should be consulted early in a student's Colby career to plan for meeting university requirements.

Another option for the student who wants ultimately to be an engineer but also wants a liberal arts college education is a regular physics or chemistry major at Colby, followed by engineering studies in a graduate school. Members of those departments are prepared to advise students who make this choice.

LAW AND GOVERNMENT SERVICE

The committee on professional preparation for law and government service advises students preparing for careers in these areas. Prelaw students may major in any field, but they will profit from early consultation with committee members on the courses that provide the strongest possible liberal arts background for the study of law. The law-school admission test is given at the college every year.

MEDICINE AND DENTISTRY

Medical schools do not require a particular major but do require high standing and the inclusion of biology, chemistry, physics, mathematics, English, and foreign languages in the student's college program. It is strongly advised that mathematics be pursued at least through the first year of calculus. Organic and general chemistry are required.

The medical-college admission test is ordinarily taken in the spring of the student's junior year.

Although some dental schools admit applicants after three years, and sometimes after only two years, of college work, the leading schools prefer students with a college degree. Each applicant, regardless of his major, must meet the specific requirements in biology, chemistry, physics, and English, which vary with different dental schools.

The dental-college admission test is ordinarily taken in the spring of the junior or fall of the senior year.

The professional preparation committee for medicine and dentistry, comprised of faculty and members of the administration, provides formal advising and other support. Each interested student should consult with the special freshman adviser for medicine and dentistry or with another member of the committee early in the freshman year to obtain specific information and advice on preparing for these professions.

THEOLOGY

Colby has a long tradition of preparing graduates for the ministry. There are representatives of Colby alumni among the

clergy of many denominations, and over the years a considerable number have done missionary work.

Members of the department of philosophy and religion, in cooperation with the college chaplain, serve as advisers to students who plan to enter seminaries.

Students preparing for the ministry are assisted in attending seminary conferences by grants from the Clarence R. Johnson Conference Fund.

General Regulations

All students are responsible for knowledge of the regulations in the *Student Handbook* and in the annual catalogue. The handbook covers academic, administrative, and social regulations.

The college reserves the right to dismiss any student whose presence its officers believe to be detrimental to its general welfare.

Although authority regarding discipline is the ultimate responsibility of the dean of students, most cases requiring discipline of students are turned over by the dean to the proper judicial board. A student judiciary board, consisting of twelve members, assists in the enforcement of nonacademic rules and regulations of the college. A student may appeal a finding of the student judiciary board to a faculty appeals board, which also hears appeals stemming from disciplinary action for academic infractions.

ATTENDANCE

Although students are expected to attend classes regularly, each student is permitted two absences from each course in any given semester. Work missed by such absence is the student's responsibility. If the instructor deems it necessary, persistent student absence from class will be reported to the dean of students, and dismissal from the course without credit may result.

Official excuses are granted by the instructor for the following reasons: critical emergencies, athletic or other organizational trips, or illness certified by the college physician.

No student on academic probation or condition may be excused from any class because of extracurricular or athletic activities.

BEHAVIOR

The administrative officers of the college have a responsibility for maintaining and encouraging an atmosphere on campus consonant with the college's function as a community of students and teachers.

The trustees have delegated to various sectors of the college, including the Student Association, extensive autonomy in the conduct of student affairs. Students retain the right to organize their own personal lives and behavior within the standards agreed upon by the college community, so long as they do not interfere with the rights of others or with the educational process.

Colby is committed to maintaining a community in which persons of all ethnic groups, religious affiliations, and nationalities are welcome. The college will not tolerate racism, harassment, or intimidation of any kind; any student found guilty of such actions or of interfering with these goals will be subject to civil prosecution as well as suspension or expulsion from Colby.

The college has always encouraged temperance in the use of alcoholic beverages. Moreover, federal and state laws concerning alcohol and drugs must be observed. State of Maine laws forbid possession of alcohol by persons under twenty. Abuse of drugs or alcohol that leads to disruptive behavior may result in dismissal. Students found guilty of misconduct off campus are subject to Colby sanctions as well as civil law prosecution.

ACADEMIC HONESTY

Plagiarism, cheating, and other forms of academic dishonesty are serious offenses. The instructor may dismiss the offender from the course with a mark of *F* and may also report the case to the department chairman and the dean of students, who may impose other or additional penalties. Students are subject to suspension from the college whenever they are found guilty of academic dishonesty. A student is entitled to appeal charges of academic dishonesty to the faculty appeals board, which shall recommend action to the president of the college.

HEALTH POLICY

Physicians in the Colby College health services treat students on the same basis as community physicians treat the patients under their care.

The college feels that the best interests of students are served by having full medical counseling and treatment from physicians thoroughly informed about personal medical history.

The college respects the rights of these physicians to use their professional judgment in meeting the health needs of students.

Upon recommendation of the college physician, the college reserves the right to require a student to withdraw for medical reasons. If, in the doctor's opinion, a student becomes unable to carry on normal student functions, or when his presence is or may become a hazard to himself or others, withdrawal will be required. Following any medical withdrawal, recommendations

from an attending physician may be required before the student is readmitted to the college.

The officers, faculty, and medical staff of the college reserve the right to refuse to divulge information regarding a student's psychological or psychiatric condition or matters of an intimate nature without the student's authorization.

HOUSING AND STUDENT LIVING Students are housed in twenty-six living units: eighteen college residences (most of them coeducational) and eight fraternity houses. Some dormitory sections have a faculty member or faculty family in residence. All freshmen not living at home or with relatives are required to live in college housing as assigned by the dean of students office. The college has charge of the maintenance and security of its buildings.

In special circumstances, limited numbers of upperclass students are permitted to live off campus, with permission from the dean of students.

STUDENT RECORDS Colby complies with the Family Educational Rights and Privacy Act of 1974, which establishes the right of students to inspect and review their education records and provides guidelines for the correction of inaccurate or misleading data. Complete guidelines used by the college for compliance with the act are printed in the *Student Handbook* and may be obtained at the dean of students office.

The Library

The Miller Library is undergoing an extensive renovation and addition that will dramatically increase accommodations for readers, book collections, and staff. Most library functions and services will be operating in the new addition during the 1982-83 academic year while renovation is being completed in the original building.

The library furnishes printed and audiovisual material for assigned and recreational reading, reference, research, and independent study. Reading rooms and individual carrels in the main library and in departmental libraries provide study areas for approximately one third of the students. The main building is open from early morning until late at night during the academic year, and mornings and afternoons each weekday in summer. Miller Library houses the humanities and social science collections, college archives, and special collections.

An open-stack system allows browsing through the collection of 365,000 volumes. The library has 1,450 current periodicals, with strong retrospective runs, and daily newspapers from this country and abroad. Miller Library is a selective depository for United States government documents. In addition, on file are specialized types of material such as microfilms of newspapers, periodicals, and documents, a spoken-record collection, some films, and video tapes. The library is a member of the New England Library Network.

There are two libraries devoted to departmental collections. The Bixler Center has the Ambrose Coghill Cramer Room for the library of fine arts and music. The science collections are housed in the Allyn-Smith Science Library in the Keyes Building.

Special collections of first editions and manuscripts in Miller Library have achieved international recognition. The Edwin Arlington Robinson Memorial Room, named for the famous Pulitzer Prize-winning Maine poet, contains his books, manuscripts, letters, and memorabilia. The Thomas Hardy Collection is one of the most extensive in the country. Other authors represented in the Robinson Room include A. E. Housman, Sarah Orne Jewett, Kenneth Roberts, Henry James, Willa Cather, John Masefield, William Dean Howells, and Thomas Mann.

The John and Catherine Healy Memorial Room contains the

James Augustine Healy Collection of Modern Irish Literature, with numerous inscribed copies, manuscripts, and holograph letters of William Butler Yeats, Sean O'Casey, James Joyce, George Bernard Shaw, and many others. The Healy Collection has 6,000 primary and critical sources representing the Irish Literary Renaissance, 1880-1940.

The Alfred King Chapman Room houses the college archives, which hold over 4,000 manuscript files pertaining to Colby graduates, faculty, and staff dating from 1813 to the present. Also included is an extensive collection of books by Colby graduates and faculty.

The Colby library was selected in 1962 by the New England Chapter, Society of Professional Journalists, Sigma Delta Chi, as repository for all records and documents of the Academy of New England Journalists.

The Colby Library Associates, founded in 1935, is an organization of friends of the library, many of long standing. Dues are used to purchase books, manuscripts, and letters that the library could not otherwise acquire. Members receive the *Colby Library Quarterly*.

AUDIOVISUAL CENTER

The audiovisual center in the Miller Library provides media services for the college community. In addition to offering the traditional equipment delivery and loan services, the center also produces educational materials and provides instruction in many media-related areas. Audiovisual maintains a full complement of equipment, from overhead projectors to portable video recorders.

The Campus

In 1977 Colby observed the twenty-fifth anniversary of the move from its original site in downtown Waterville to Mayflower Hill, two miles west of the city. Today forty-two buildings stand on a campus of 900 acres, one of the most modern and beautiful in the nation.

The first was Lorimer Chapel. The main chapel, in early New England style, contains an organ built in the classical tradition by Walcker of Ludwigsburg, Germany. Its specifications were drawn up by Albert Schweitzer. The Rose Chapel adjoins the main building.

At the center of the campus is Miller Library, described in the preceding section. The building is in the process of being renovated and expanded.

The science center consists of three buildings connected as a unit: the Seeley G. Mudd Science Building for physics, geology, and mathematics; the Keyes Building for chemistry; and the David Kenneth Arey Life Sciences Building for biology and psychology. The science library for the center is in Keyes.

The humanities and social sciences are located in the Elijah Parish Lovejoy Building, named for the 1826 Colby graduate who was America's first martyr to freedom of the press. Here are classrooms, faculty offices, laboratories for modern languages and psychology, and an auditorium.

Administration offices are housed in the Eustis Building.

The Bixler Art and Music Center has classrooms, studios, an art and music library, Given Auditorium, rehearsal hall, and practice and listening rooms. The Museum of Art, with the Jetté Galleries and the Marin Gallery, is a major segment of the center. The Lenk Building includes studios for painting and design as well as workshops for wood and metal sculpture. Emphasis in the college's permanent collection is clearly in the American field, but the British Isles and Europe are represented by paintings, sculpture, prints, and drawings.

Colby is a residential college where students are expected to live and take their meals on campus. There are eighteen dormitories, most of which are coeducational. Dormitories on campus are grouped into five areas, each coordinated by a faculty member or faculty family in residence.

A new residence hall, located on the wooded slope behind the chapel, is designed to take optimum advantage of passive solar

energy. The building accommodates 100 students in four-person suites, as well as in single and double rooms.

A student-operated coffee house is located in Mary Low Hall.

In addition to these dormitories, there are eight fraternity houses, where students live but do not dine. In special circumstances, some students have the option of living off campus.

The Garrison-Foster Health Center opened in the fall of 1976. The first floor is devoted to outpatient treatment and service rooms. The second floor has inpatient facilities: a twenty-four-bed infirmary, first aid room, lounge, study carrels, kitchen, and dining area.

Roberts Union, completely renovated in 1977, serves as a student center. The facility has two dining halls, the Seaverns Bookstore, a post office, and the student spa and pub. In addition to numerous meeting rooms for campus organizations, the center also has a pottery studio, darkrooms, and headquarters for the Student Association, the outing club, and all student publications, as well as the campus radio station, WMHB.

Completed in 1976, the Performing Arts Center in the Ninetta M. Runnals Union features the 274-seat Strider Theater, with orchestra pit and balcony. Above the balcony are control booths for lighting, sound, and projection. Workshop-storage areas and, on two levels, dressing rooms are behind the stage. The second floor has the Dunn Studio for dance.

All academic buildings, selected dormitories, dining halls, theater, student center, art gallery, health center, administration building, and athletic facilities provide access for the handicapped, or will do so when construction now in progress is completed.

Indoor sports facilities are in the physical education and athletic complex and consist of the Wadsworth Gymnasium (badminton, volleyball, and four basketball courts), Alford Ice Arena, the fieldhouse (an eighth-of-a-mile track, a baseball diamond, and four tennis courts), the Dunaway Squash and Handball Courts (consisting of seven singles and one doubles), the swimming pool, saunas, and two weight training rooms.

Outdoors there are some fifty acres of playing areas: two football fields, one baseball diamond, fourteen tennis courts, three soccer fields, as well as fields for men's and women's lacrosse,

field hockey, rugby, intramural competition, and recreation, a quarter-mile track, and cross-country courses for running and skiing. Community facilities include bowling lanes and riding stables.

The entire Mayflower Hill campus has been designated by the Maine legislature as a State Wildlife Management Area. Part of the woodland has been set aside as a wildlife sanctuary, the Perkins Arboretum and Bird Sanctuary, and includes 128 acres.

OFF-CAMPUS ASSETS

In the Belgrade Lakes area, near Waterville, the college owns the Colby-Marston Preserve, a thirty-four-acre tract containing a kettle-hole bog. The preserve, which is considered a classic example of a northern sphagnum bog, has been classified a Registered Natural Landmark by the United States National Park Service. It is used for teaching and research in the fields of biology, ecology, and geology.

Near the coast, at Head Tide, the college owns the birthplace of Pulitzer Prize-winning poet Edwin Arlington Robinson. Maintained as a memorial, the house is open on specified days each summer for visitors.

The Colby Outing Club owns the Outing Club Lodge on Great Pond in the Belgrade Lakes area for the use of student members.

WCBB-TV, a public television station, is licensed to the Colby-Bates-Bowdoin Educational Telecasting Corporation, formed by the three colleges in 1961. Offices and studios are in Lewiston. At the time of its founding, WCBB-TV was the first educational television station in Maine, the third in New England, and the sixth in the nation.

Campus Life

ART

The Bixler Art and Music Center is the focal point for the college's art program. Continuous exhibitions of works selected from the permanent collection, as well as original and traveling shows, are to be seen in the Jetté Galleries of the Colby Museum of Art. The permanent collection features American and European painting, sculpture, and graphic art. Special collections are the Harold Trowbridge Pulsifer Collection of Winslow Homer Paintings and Drawings, the American Heritage Collection and the American Painters of the Impressionist Period Collection of Edith Kemper Jetté and Ellerton Marcel Jetté, the Helen Warren and Willard Howe Cummings Collection of American Art, the John Marin Collection, the Adelaide Pearson Collection, the Bernat Collection of Oriental Ceramics and Bronzes, the Langenbach-Pepper Collection of Watercolors by Charles Hovey Pepper, the Weiss Collection of Jack Levine Graphics, and the William J. Pollock Collection of American Indian Rugs and Jewelry (Navaho and Zuni).

The exhibition schedule for the 1981-82 academic year included *William Kienbusch; One Hundred Prints from the Museum's Collection*, organized by students in the 1982 January program in the history of printmaking; *Christo's Wrapped Coast*, which consisted of photographs, drawings, and documents for Christo's project in Australia and held in conjunction with his appearance at the college for the twelfth annual Clara E. Southworth Lecture in Environmental Design; *Metalwork by Marie Zimmermann*, organized by Gay Zimmermann, Colby '82; *Annual Student Art Festival Exhibition*; and *Senior Art Students Exhibition*. Throughout the year, selections from the permanent collection were on view concurrently with loan exhibitions.

The Friends of Art at Colby, organized in 1959, make substantial contributions to the overall art program throughout the year.

The Archives of Maine Art, located at the Bixler Center, is a repository of information and documents about artists in Maine from the eighteenth century to the present.

In addition to the studio courses in the regular curriculum, workshops are maintained for extracurricular activities in ceramics, typography, weaving, and bookbinding. The Russell S. Hitchcock Bindery is equipped with tools, type, and presses for teaching the fundamental procedures of bookbinding.

In September 1973 a wing to the Bixler Center was opened. Built in response to the growing interest in art and music among students, alumni, and Friends of Art, it contains painting and sculpture studios and gallery space for exhibitions in the Museum of Art. Expansion into the wing made possible enlarged classrooms for art and music, and a library shared by both departments.

FILMS

Film Direction brings films of high quality in various film genres. In addition, there are movies shown by the Student Association and films brought by other student organizations and departments.

**FRATERNITIES AND
SORORITIES**

There are chapters of nine fraternities and two sororities at Colby. Eight of the fraternities occupy separate houses on the campus, controlled by the administration and their prudential committees.

In order of founding, the fraternities are Delta Kappa Epsilon, Zeta Psi, Delta Upsilon, Phi Delta Theta, Alpha Tau Omega, Lambda Chi Alpha, Kappa Delta Rho, Tau Delta Phi, and Pi Lambda Phi. The sororities, Sigma Kappa (founded at Colby) and Chi Omega, maintain chapter rooms in Runnals Union.

The board of trustees requires that fraternities and sororities select members without regard to race, religion, or national origin. Hazing of any kind is prohibited.

INTERCOLLEGIATE ATHLETICS

Athletics for men include varsity teams in football, soccer, basketball, hockey, lacrosse, golf, baseball, tennis, cross-country, indoor and outdoor track, swimming, and squash. There are reserve varsity teams for men in football, soccer, basketball, and lacrosse. Rugby is a club sport.

Varsity teams for women are in field hockey, tennis, cross-country, soccer, swimming, ice hockey, basketball, squash, softball, lacrosse, and indoor and outdoor track. Women's reserve varsity teams compete in field hockey and lacrosse.

The rules that govern intercollegiate sports are those adopted by the athletic conferences in which Colby holds membership. Colby is a member of the New England Small College Athletic Conference, which also includes Amherst, Bates, Bowdoin,

Connecticut College, Hamilton, Middlebury, Trinity, Tufts, Wesleyan, and Williams. The college is also a member of the National Collegiate Athletic Association, the Eastern College Athletic Conference, the Association for Intercollegiate Athletics for Women, the Eastern Association for Intercollegiate Athletics for Women, and the Maine Association of Intercollegiate Athletics for Women.

INTRAMURALS

Programs in intramurals are on a coeducational basis; each student is free to engage in the activities of his/her choice. Competition is organized in touch football, soccer, basketball, ice hockey, volleyball, frisbee, table tennis, skiing, track, squash, swimming, softball, tennis, cross-country, marathon run, and basketball free-throw. Teams are divided into fraternity and independent divisions, with a point system determining winners of each divisional trophy. Participation by all members of the college community is encouraged.

LECTURES

Throughout the year, outstanding scholars, musicians, and artists visit the campus. The Edmund S. Muskie Distinguished Visitors Chair, established in 1981, brings to the campus the former U.S. secretary of state and senator from Maine to participate in seminars, classes, and lectures, as well as more informal meetings with students. The Winthrop H. Smith Visiting Scholars Program invites a speaker for two days to lecture, to talk in classes, and to meet with students and faculty. The Clara M. Southworth Lecture examines subjects in environmental design. The Guy P. Gannett Lectures focus on general subject areas not covered by other established lectures at the college. The Samuel and Esther Lipman Lectureship is devoted to Jewish studies and contemporary Jewish thought. The annual lecture by the Grossman Professor of Economics delves into current economic issues of significance. The Lovejoy Convocation annually honors a member of the newspaper profession "who has contributed to the nation's journalistic achievement." In addition to these established lectures, speakers are invited to the campus by the Friends of Art at Colby, by student organizations, and by learned societies.

Annual lectures and lecturers in 1981-82 included the Southworth Lecture: Christo, artist; Gannett Lecture: Michael

Arlen, author; Lipman Lecture: Stephen Whitfield, professor of American studies at Brandeis University; Jan Hogendorn, the Grossman Professor of Economics, Colby; Lovejoy Convocation speaker: A. M. Rosenthal, executive editor of the *New York Times*; Dana-Bixler Convocation: Jennifer Barber '78, Rhodes Scholar, and Peter Harris, assistant professor of English, Colby; Phi Beta Kappa Visiting Scholar: Thomas A. Sebeok, Distinguished Professor of Linguistics and Semiotics, Indiana University; Strider Lecture: Joseph Churba, Director of the Center for International Security.

Other lecturers included Derk Bodde, professor emeritus, University of Pennsylvania and Sun Yatsen distinguished professor of Chinese studies, Georgetown University; M. J. C. Vile, Deputy Vice Chancellor, University of Kent at Canterbury, England; Roger Schofield, director, Cambridge Group for the History of Population and Social Structure, Cambridge, England; Linda Perkins, assistant director of the Bunting Institute at Radcliffe; John Brewer, professor of history, Harvard University; Gerald Steinberg, Fellow in the Center for International Studies, M. I. T.; Steven Carey, American Friends Service Committee; Mark Needergang, Institute for Defense and Disarmament Studies; Fernando Perpina, Spanish Consul General, Boston, Mass.; Deborah Gewirtz, anthropologist, Amherst College; Rudolph Schild, astronomer, Harvard-Smithsonian Center for Astrophysics, Cambridge, Mass.; Professor Joaquin Samayoa, formerly of Catholic University in El Salvador; Maurine Freedgood, Zen Buddhist priest and president of the Cambridge Buddhist Association; Robert P. Ingalls, Ph.D., New York State Council on Children and Families; James Fernandez, chairman of the anthropology department, Princeton University; Edward D. Ives, professor of folklore, University of Maine, Orono; Marx W. Wartofsky, professor of philosophy, Boston University; Miguel Ramirez, representative of the Popular Revolutionary Bloc in El Salvador and member of the group of the Democratic Revolutionary Front; Sister Joan Petrik, Maryknoll sister in El Salvador; James Bell, U.S. State Department representative and aide under Ambassador Robert White in El Salvador; Douglas Costle, former administrator of the Environmental Protection Agency under President Carter; Stephen Gudeman, department of an-

thropology, University of Minnesota; Jane Vallier, professor of English, Iowa State; Thomas Hellman, director of environmental affairs for the Allied Corporation; Brunilde Sismondo Ridgway, art historian and archaeologist, Bryn Mawr College; Elbert Weinberg, sculptor; Phyllis Tribble, professor of feminist theology, Union Theological Seminary; William Conlon, painter; Jean-Christophe Agnew, professor of American studies and history, Yale; Judy Pfaff, sculptor.

Poets and fiction readers were May Sarton, Nikki Giovanni, Stephen Tapscott, William Matthews, Tobias Wolff, Alice Walker, Mitchell Goodman, and Steven Bauer.

MUSIC

Musical activities converge in the Bixler Art and Music Center, which contains rehearsal and practice rooms as well as the 400-seat Given Auditorium and an electronic music center. Facilities for musical theater and opera are provided in the Performing Arts Center, while the Alma Morrisette McPartland Music Shell permits the adaptation of Wadsworth Gymnasium for large-scale choral and orchestral concerts. The Gould Music Shell, placed in a natural bowl on the northeast corner of the campus, is available for summer concerts.

Students are invited to participate (with or without academic credit) in the Colby Band, the Colby Community Symphony Orchestra, the Colby Glee Club, LoComotion (the Colby jazz band), and the Lorimer Chapel Choir, all under faculty direction. There are also informal student groups: the Colby Eight, the Colbyettes, and the Colby Early Music Group, among others.

Concerts by visiting artists are presented by the music department, by the Student Association, and by the Colby Community Music Associates, a college-community group, which arranges the Colby Community Music Series and contributes to musical life on the campus. In 1981-82 the series included performances by the Presumpscot River Bottom Boys; Leon Bates, pianist; Sharon Robinson, cellist; and the Portland String Quartet. The 1982 Strider Concert was presented by Electric Phoenix.

Among other programs were concerts by Colby Visiting Tutors in Applied Music; Anthony di Bonaventura, pianist; and the Olympus Chamber Players.

Concerts were given by college musical organizations, faculty, and students at Friday Noonday Recitals and on other occasions. Soloists for the Colby Community Symphony Orchestra concerts were Anthony di Bonaventura, pianist, and Jean Rosenblum, flutist. Soloists with the Colby Glee Club were Bonnie Boyington, soprano, Frank Hoffmeister, tenor, and Ludlow Hallman, baritone. The Sunday Chapel Vesper Concerts offered recitals on the Walcker organ in Lorimer Chapel by the college organist and visiting artists, programs of chamber music by the Huntingdon Trio, a faculty chamber concert, and the chapel choir concert.

PERFORMING ARTS

In addition to the courses in dramatic literature offered by the departments of classics, English, and modern languages, Colby provides courses and opportunities for practical experience in all the areas of theatrical production, dance, and music. The Strider Theater, the Dunn Dance Studio, and a small cellar-theater space serve as laboratories for the arts and as performance centers.

The Strider Theater has a flexible stage, shop, makeup rooms, and rehearsal space. Light and sound booths over the balcony command a full view of the stage.

In 1981-82, professional theater and dance were represented on campus by the Indian dancers Indrani and Sukanya, the mime clown Avner Eisenberg, and Carl Trone; the latter two also conducted workshops while in residence. Through the performing arts program, two productions were staged in conjunction with classes in January that enrolled the actors and the crew. The musical *Once Upon a Mattress* was produced by Colby students of the American musical theater, and *Equus* by those studying Peter Shaffer and his contemporaries. The performing arts faculty in music, dance, and theater collaborated in producing Gilbert and Sullivan's *Ruddigore*, as well as *Winter Crane*, a dance play written by Professor Richard Sewell and choreographed by Professor C. M. Wentzel. Sewell also directed Duerrenmatt's *The Physicists*. In a program entitled "Branches," Wentzel choreographed three new full-length works of her own, one in collaboration with LoComotion jazz band.

Student organizations Powder and Wig and the Colby Dancers produced original works, such as Adam Bolansky's *You*

Gonna Do It, and a wide range of student-directed plays, including *P.S. Your Cat Is Dead*, *Ten Little Indians*, *Jacques Brel Is Alive and Well*, *Star Spangled Girl*, *A Tale of Chelm*, *The High Schools*, *My Client Curley*, and the annual senior class production, *Charlie's Aunt*. The Colby Dancers presented an annual spring concert as well. Two guest artists, David Rosenmiller and Linda Kent, gave spring concerts on campus. Rosenmiller held a workshop on his dance method, "contact improvisation." Kent, a member of the Paula Taylor Dance Company, is a former soloist with the Alvin Ailey Dance Theater.

RADIO COLBY

WMHB-FM is a student-operated station with a Class D noncommercial license from the Federal Communications Commission. From studios in Roberts Union, the station broadcasts throughout the day and evening during the academic year.

RELIGION

Colby College was founded by New England Baptists, and although it does not now maintain a formal relationship with any denomination, the college supports and encourages an ecumenical ministry on the campus.

The college chaplain acts as coordinator for the activities of a number of religious associations: Newman Club (Catholic), Hillel (Jewish), Canterbury Club (Episcopal), and Colby Christian Fellowship (Evangelical Protestant). All of these groups use the sanctuary and social lounge of Lorimer Chapel. An interfaith committee organizes services and activities for Catholic and Protestant students. The Roman Catholic diocese of Portland provides the services of a chaplain for Catholic students, and the local rabbi and the rector of the Episcopal parish also carry on campus ministries.

Each Sunday morning an all-college interdenominational worship service is conducted in the chapel. Students, through the chapel service committee, assist the chaplain in planning and conducting these services. Music for this service and for special concerts is performed by students of the chapel choir under the leadership of Adel Heinrich, associate professor of music.

STUDENT ORGANIZATIONS

More than fifty student organizations are chartered by the college. Academic societies are Phi Beta Kappa, Sigma Delta Pi

(Spanish honor society), Chi Epsilon Mu (chemistry), Sigma Pi Sigma (physics), Delta Phi Alpha (German), Pi Sigma Alpha (political science), and Psi Chi (psychology). Student publications include the weekly newspaper, *The Colby Echo*; the yearbook, *The Oracle*; *Pequod*, devoted to art, literature, and photography; and *Free Will Magazine*.

Service organizations are the Big Brother/Big Sister program, Colby Friends, and Student Primary Emergency Care System (SPECS).

Other groups include the Colby Outdoor Orientation Trips (COOT), Colby Photographers, Deutschklub (German club), Environmental Council, French Club, International Relations Club, Los Subrosa (Spanish club), Interfraternity Council, Panhellenic Council, Outing Club, Student Organization for Black and Hispanic Unity (SOBHU), Women's Group, Yachting Council, Chemistry Club, Psychology Club, East Asian Cultural Society, New World Coalition, Film Direction, Pottery Club, Powder and Wig, WMHB (Radio Colby), Fencing Club, Woodsmen's Team, the Coffeehouse Association, American Chemistry Society, Amnesty International, Early Music Group, Energy Action Club, Gay/Straight Alliance, Colby Geology Club, Holistic Organization, Rugby Football Club, Women's Rugby Club, Sailing Club, Scuba Club, and Ski Association.

Religious organizations are the Canterbury Club, Chapel Service Committee, Colby Christian Fellowship, Hillel, and Newman Club.

Music organizations are LoComotion (the Colby jazz band), Colby Eight, Colbyettes, Colby Community Symphony Orchestra, Glee Club, Lorimer Chapel Choir, and the Messalonskee Folk Music & Chowder Society.

There are other clubs and societies described under appropriate catalogue headings. In addition, each class acts as an organization, with elected officials. All organizations and many activities, including film, lecture, and concert series, are funded through the Student Association. Also, students are appointed by the Student Association to serve on college committees.

Colby Yesterday and Today

HISTORY OF COLBY COLLEGE

In 1813, when Maine was still a part of Massachusetts, a group of Baptists secured a charter for the Maine Literary and Theological Institution, and in 1815 received a grant of land on the Penobscot River. Subsequently permitted to erect the institution on a site other than the land grant, they chose a tract in Waterville on the west bank of the Kennebec, where in 1818 the Reverend Jeremiah Chaplin began instruction of seven theological students.

The first legislature of Maine in 1820 granted the institution the right to confer degrees, and in 1821 changed the name to Waterville College, with Jeremiah Chaplin as the first president. William King, Maine's first governor, had been instrumental in securing the original charter, and was himself for many years a member of the board of trustees.

Though founded by Baptists, the college, even in its earliest days, was not narrowly sectarian. The Maine charter decreed that no applicant should be denied admission on grounds of religious belief. By 1830 the theological course had been abandoned, and the institution became, and remains today, distinctly a nonsectarian college of liberal arts. Though without official ties to any denomination, the college is proud of its Baptist heritage and support.

When the Civil War threatened to force closing of the college, the struggling institution was saved by a generous gift from Gardner Colby, a prominent Baptist layman of Newton Centre, Massachusetts, and in 1867 the grateful trustees changed the name to Colby University. In 1899, sensing that the college had never become a university in fact, the board changed the name to Colby College.

In the first class receiving degrees in 1822 was George Dana Boardman, pioneer of a long line of Colby missionaries to foreign lands. A graduate in 1826 was Elijah Parish Lovejoy, who suffered martyrdom for the cause of freedom of the press when his persistent antislavery articles led to his death at the hands of a mob in Alton, Illinois, at the age of thirty-four.

Colby first admitted women in 1871, when Mary Low was the lone female student. By 1890 the number had so increased that President Albion Woodbury Small proposed, and the trustees adopted, a system of coordination, providing for men's and women's divisions with separate classes. In time coordination

changed to coeducation, and Colby is now officially a coeducational college.

After World War I, Colby found its campus confined to thirty crowded acres hemmed in by the tracks of the Maine Central Railroad. On the campus were ten buildings, while six others sprawled into the downtown area. In 1930 the trustees voted that "as soon as feasible" the college must move to a new site.

For twenty anxious years after this decision, President Franklin Winslow Johnson led a valiant and finally successful campaign to move the college, despite the obstacles of a great depression and World War II. Colby was gradually transferred, between 1943 and 1952, to its new site on Mayflower Hill, on land given by the citizens of Waterville.

In 1942 Dr. Johnson was succeeded by President J. Seelye Bixler, who for eighteen years extended and solidified the program on the new campus, securing national acclaim. During the presidency of Robert E. L. Strider II, 1960-79, Colby strengthened its academic programs through faculty development, tripled the college's endowment, and added eleven new buildings, including a science complex, a performing arts center, and an art and music center.

In September 1979 William R. Cotter, graduate of Harvard College and Harvard Law School, was inaugurated as Colby's eighteenth president. He came to Colby with a background that included experience in international educational exchange, appointments in Nigeria and Colombia, research, a year as a White House Fellow, and several years of private law practice. His presidency has been characterized by an emphasis on increasing informal contact between students and faculty, strengthening the advising system, and creating a new program of overseers and visiting committees to ensure quality and to afford an additional outlet for the expression of faculty and student concerns. The Ralph J. Bunche Scholars and the Mayflower Hill Scholars programs were initiated for outstanding minority students and residents of Maine. Recent curriculum review has resulted in a modification of the January program, increased emphasis on computer offerings, interdisciplinary teaching for both freshmen and seniors, and strengthening of off-campus programs. The college also constructed a new

100-bed, energy-efficient dormitory and has started renovating and substantially enlarging the library.

The growth of Colby since the transfer to Mayflower Hill has been striking. There are now forty-two buildings and several playing fields. Enrollment has risen from 600 to 1,600, and students come from two thirds of the states and many foreign countries. The faculty, numbering fifty-six in 1940, now is 146. Endowment has increased from three million to thirty million dollars. The physical expansion has been accompanied by growth in variety and quality of the curriculum.

PRESIDENTS

1822-1833	JEREMIAH CHAPLIN
1833-1836	RUFUS BABCOCK
1836-1839	ROBERT EVERETT PATTISON
1841-1843	ELIPHAZ FAY
1843-1853	DAVID NEWTON SHELDON
1854-1857	ROBERT EVERETT PATTISON
1857-1873	JAMES TIFT CHAMPLIN
1873-1882	HENRY EPHRAIM ROBINS
1882-1889	GEORGE DANA BOARDMAN PEPPER
1889-1892	ALBION WOODBURY SMALL
1892-1895	BENIAH LONGLEY WHITMAN
1896-1901	NATHANIEL BUTLER, JR.
1901-1908	CHARLES LINCOLN WHITE
1908-1927	ARTHUR JEREMIAH ROBERTS
1929-1942	FRANKLIN WINSLOW JOHNSON
1942-1960	JULIUS SEELYE BIXLER
1960-1979	ROBERT EDWARD LEE STRIDER II
1979-	WILLIAM R. COTTER

COLBY TODAY

Colby is a coeducational undergraduate college of liberal arts committed to the belief that the best preparation for life, and especially for the professions that require further specialized study, is a broad acquaintance with human knowledge rather than narrowly concentrated training in limited areas. Colby is concerned with ideas and values as they are inherited from the past, as they are perceived in the present, and as they may be developed in the future.

In addition to a comprehensive investigation of our heritage, Colby students are urged to explore through their elective

courses and to concentrate by choosing a traditional or interdisciplinary major.

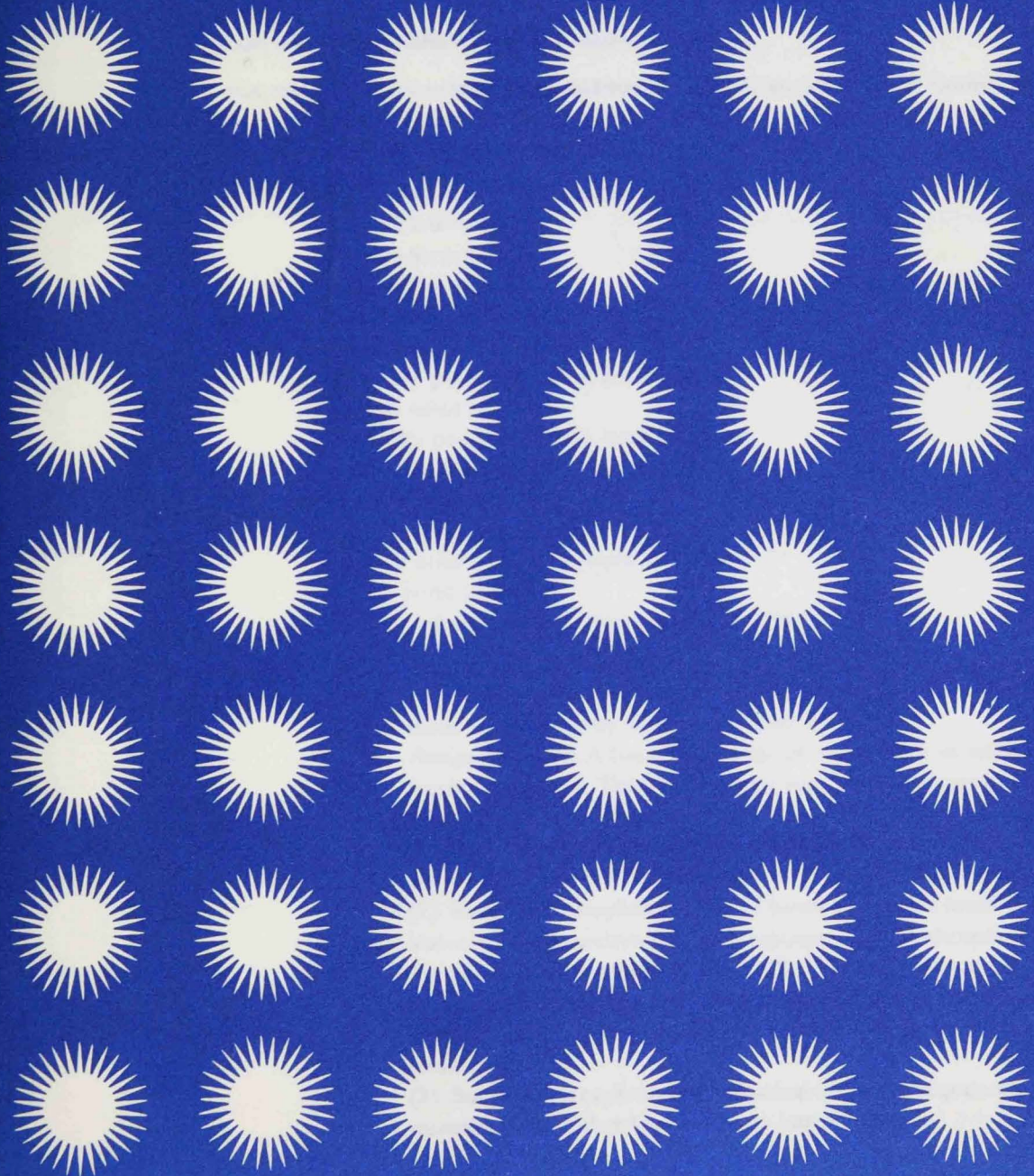
Consistent with the philosophy of the college, responsibility is given each student in the determination of the academic program and in the regulation of social life and daily living. Toward this end, advising, guidance, and counseling are available. The recommendations of the Constitutional Convention in 1969, adopted by the board of trustees, and of a similar convention reconvened in the spring of 1972, revised the governmental structure of the college to make possible a productive sharing of responsibility in the reaching of decisions. Through work on committees at both the faculty and board levels, this process involves students, faculty, and alumni, as well as the administration and trustees.

Emphasis on independent thought and enterprise by students is nothing new. Colby's January Program of Independent Study, initiated in 1962, encourages the student to acquire the habit and the methods of exploring a particular field of knowledge on his own, which can be carried over beyond graduation and through life.

A recent survey of three classes (1968, 1976, 1978) indicates that over eighty percent of each class will continue their studies at graduate or professional schools within ten years of graduation.

II

Academic Program



II ACADEMIC PROGRAM

- 45 ACADEMIC PROGRAM
- 55 ACADEMIC STANDARDS
- 58 ACADEMIC PROCEDURES
- 60 COURSES OF STUDY

Academic Program

GRADUATION REQUIREMENTS

To qualify for the degree of Bachelor of Arts, a candidate must meet specific requirements in quantity, quality, distribution, and concentration, and must also take two or three January courses, depending upon the number of years in residence at Colby (see also JANUARY PROGRAM OF INDEPENDENT STUDY).

Only those seniors who have met all graduation requirements are eligible to participate in the commencement exercises.

QUANTITY A minimum of 120 semester credit hours.

QUALITY A minimum of 240 points earned in 120 semester credit hours. For students entering Colby in September 1983 and later: a 2.00 cumulative grade point average.

For each credit hour, a mark of:

A earns four points.

B earns three points.

C earns two points.

D earns one point.

Each *plus* mark earned is:

.3 quality point per credit hour added.

Each *minus* mark is:

.3 quality point per credit hour deducted.

No points are earned:

for marks below *D -*.

Two points are earned:

for each hour of *C_r* in nongraded courses.

One point is earned:

for each hour of *pass* in courses taken pass/fail.

DISTRIBUTION REQUIREMENTS

I ALL COLLEGE REQUIREMENTS

A. *English Composition and Literature*: Six credit hours. This requirement will be met by English 115 and 152.

B. *Foreign Language*: A basic knowledge of one ancient or modern foreign language. This requirement may be met in one of five ways:

(1) By attaining before entrance a score of 60 in a College Entrance Examination Board foreign language achievement test.

(2) Successful completion of three hours in courses numbered above 123 in a modern foreign language, with the exception of French 127, by enrolling in 121, 122, 123, 124, 131, or 141 as determined by the score on the appropriate placement examination, and pursuing courses in sequence until the requirement is fulfilled.

(3) Successful completion of a classical language sequence terminating with either Greek 131 or Latin 232.

- (4) For a transfer student who has studied a foreign language not taught at Colby, the requirement will be fulfilled by completing, at an accredited institution, the equivalent of a second year of that language at the college level with marks high enough to make the work acceptable toward the Colby degree.
- (5) For a foreign student whose native language is not English, knowledge of that language will be recognized as fulfillment of the language requirement, subject to the approval of, and possible testing by, the department of modern foreign languages.

II DIVISION REQUIREMENTS

A minimum of six credit hours in each of the divisions described below. Three of the credit hours in the natural sciences must involve laboratory experience.

DIVISION OF HUMANITIES (*Chairman*, to be appointed)

Art

Classics (except Ancient History)

English (except 111, 112, 115, 152, and 271)

Greek

Latin

Modern Foreign Languages (above the intermediate level)

Music

Performing Arts

Philosophy and Religion (certain courses: Religion 211, 212, 233, 234, 351, 352, 353, and 358; Philosophy 313, 355, 356, and 372; philosophy and religion seminars when topics are relevant)

DIVISION OF SOCIAL SCIENCES (*Chairman*, JAMES MEEHAN)

Administrative Science

Ancient History

Anthropology

Economics

Education

Government

History

Philosophy and Religion (except courses listed among the humanities)

Psychology

Sociology

DIVISION OF NATURAL SCIENCES (*Chairman*, ARTHUR CHAMPLIN)

Astronomy

Biology

Chemistry

Geology

Mathematics

Physics

DIVISION OF PHYSICAL EDUCATION

One year of physical education is required for graduation.

RESIDENCE Candidates for the degree must earn in residence at least 60 credit hours with a 2.00 cumulative average. They must be resident students at Colby for at least four semesters, including the senior year. A resident student is defined as a full-time student taking at least 12 credit hours and paying tuition charges at the semester rate.

Credits earned at another institution while concurrently registered at Colby may not be applied toward graduation requirements.

EXEMPTION BY EXAMINATION When appropriate, either all college or division requirements, as well as certain requirements for the major, may be absolved by examination without course enrollment, at the discretion of the department concerned. Credit hours can be earned under specified conditions.

OPTION FOR CERTAIN STUDENTS A student returning to college after an absence must meet any new requirements for graduation if fewer than 61 Colby credit hours had been earned prior to the absence. If more than 60 credits had been earned, the student may elect to meet either the new requirements or those in effect at the time of initial enrollment.

STUDENT'S PROGRAM

The student at Colby normally takes from 12 to 18 credit hours in each semester, and one offering during the January term.

To assure distribution among the divisions mentioned above, students must include English composition and literature, a foreign language (unless exempted by examination), and courses to meet requirements in the humanities, social sciences, and natural sciences. Programs should be planned so that the majority of these requirements are met within the first two years, leaving the junior and senior years for major concentration and for free electives. Students should, however, avoid overconcentration in any department or division.

Each freshman has a faculty adviser to assist in planning the academic program. A new faculty adviser is assigned at the end of the freshman year when the student has tentatively selected a major.

Prospective students frequently ask what subjects they will study—especially in the freshman year. It would be misleading to present any specific pattern of courses for either of the first two years. The programs of individual students may vary widely because there is considerable latitude within the requirements. Students preparing for a scientific career or the study of medicine will begin electing scientific subjects at once. Many major departments in both the natural and social sciences recommend mathematics for the freshman year. The student and assigned adviser should discuss a prospective program,

noting carefully the recommendations and requirements in areas of major study. The selection of a major at the end of the freshman year is by no means final; students are encouraged to explore alternatives throughout their sophomore year.

REGISTRATION

Registration each semester takes place on a date specified in the college calendar. A fine of \$5 per day is charged to the student's semester bill for registration later than the assigned date.

In exceptional circumstances specified in advance in writing by the dean of students, a student will be permitted to register later than the seventh class day of each semester.

It is important that students understand the distinction between payment of fees and registration. Prior to registration, each student must complete payment of fees as specified by the treasurer, who is not authorized to defer such payment.

ELECTION OF COURSES

Each semester, with the approval of their advisers, students elect programs of study for the following semester; these elections, with approved revisions, are confirmed during the registration period at the beginning of each semester. A student's academic program must have the adviser's approval and be properly filed with the registrar before credit will be granted for any course taken. Until the eighth class day of the semester, and with the adviser's approval, voluntary changes in a student's program may be made.

Changes of section within a course must be approved by the department or course chairman, and are subject to the same deadlines as changes of course. Ordinarily, a course cannot be repeated for additional credit nor may a student register for two courses scheduled to meet concurrently.

MAJOR

Near the end of the freshman year, each student elects a tentative major in an area of concentration. The major may be chosen in a single subject, in one of a number of designated combinations, or in a specially designed independent major. Students are encouraged to reexamine their choice of major during the sophomore year.

The respective academic departments and programs specify the courses constituting a major in each department or program. Before selecting a major, the student should read thoroughly the requirements detailed in the section on *Courses of Study*.

With the consent of the departments or programs concerned, a student may change majors. Forms for officially effecting such change must be obtained from and returned to the registrar's office.

Any student whose major average falls below 2.00 has lost the right to continue with that major. A student who has thus lost the major

edly, free from the competing demands of an orthodox curriculum.

Because the January program assures most students considerable flexibility in use of their time, it permits students to participate fully in extracurricular activities in athletics, drama, music, and other fields. While students are encouraged to attend the lectures, seminars, concerts, and art exhibitions scheduled by the college, they are expected to spend 30 to 40 hours a week on their January program topics.

The concept of January as a period of study or field experience extends to faculty as well. At least half serve as program sponsors; the others, relieved of teaching, have an opportunity for writing, reading, and research.

To be eligible for graduation, each student must take three January programs if in residence for four or more first semesters, or two if in residence for three or fewer first semesters. Freshmen are required to take January courses and will be given preference in 100-level and most noncredit programs. Sophomores, juniors, and seniors may take courses or pursue independent study. The addition in 1982 of credit options for the January program allows students to reduce the number of credits for which they must register during semesters.

January program options are:

(1) Courses offered for credit. Some are created specifically for January; others, originally designed to be offered during regular semesters, may be modified for January. Such courses will ordinarily be graded in the same manner as semester courses, except that non-graded January courses will be marked *credit* or *fail*.

(2) Noncredit courses. These courses fulfill the January program requirement for graduation, but students do not earn course credit that can be applied toward the credit hours required for graduation. These courses may be offered by experts in fields not included in the regular curriculum, and will be graded *honors*, *pass*, and *fail*.

(3) Independent study and field experience during January may be taken under a variety of credit options to be arranged with the instructor or sponsor, as appropriate. Great diversity is possible in the nature and conduct of individual projects. Students may work on campus or away, in laboratories, museums, libraries, hospitals, professional offices, government agencies, and the like. Each project must have demonstrable academic or creative merit and be conducted through direct supervision by the faculty sponsor or an off-campus supervisor working with the sponsor.

Other than the grades indicated above, marks of *Abs* (absent from final examination) or *Inc* (work otherwise incomplete) may be given only in cases where the student has an excuse from the dean of students. Grades of *Abs* and *Inc* must be made up within limits set by the instructor, and not later than the second day following spring recess.

To enable students, in consultation with their advisers, to plan their curriculum for the year, descriptions of courses to be offered in January will be available when students register for first semester.

Registration for the January program takes place in October; a fine is charged for late registration. A student failing to register by the third day of the January program will be considered to have failed the program for that year, with the failure to be noted on the student's transcript. A student may not register for more than one January program each year.

COLBY IN CAEN

Colby offers a Junior Year Abroad program, in conjunction with Washington University in St. Louis, at the Université de Caen in France. Following a six-week orientation session in Paris, students begin classes in Caen, where they may enroll in any regular university courses with the director's approval. A Colby faculty member is in residence at Caen, serving as academic and personal adviser to the students in the program. The student's curriculum consists of at least four courses chosen from a core program, which are supplemented by a weekly class meeting conducted by the university professor for the Colby group. There is a full plan of excursions both in the Paris area and in the provinces. Of 30 credit hours, six are for required preliminary courses in Paris, and 24 are for eight semester courses at the Université de Caen. The resident director assigns grades, after consultation with the Caen faculty, that will appear on students' transcripts as Colby credits. Students are encouraged through family contacts and group excursions to take an active part in all facets of life in France, and many cultural and academic experiences are open to them. Further details about Colby in Caen are available in the department of modern foreign languages.

OTHER FOREIGN PROGRAMS

Colby is a member of the Associated Kyoto Program, which makes possible a year of study in Kyoto, Japan, and is directly involved in the China Cooperative Language Program sponsored by the Council on International Educational Exchange. By agreement with Manchester College Oxford, limited numbers of Colby nominees are accepted for a year of study there.

Colby is a member of the ISLE (Intercollegiate Sri Lanka Education) consortium, which makes possible a semester of study at Colombo and Kandy, Sri Lanka. The program features courses in the history, language, religion, and culture of Sri Lanka and South Asia, operates from mid-August through November, and carries one semester's course credit for a cost approximately the same as a semester at Colby. Details are available from the department of philosophy and religion.

To freshmen granted admission in February 1983, Colby offers a

semester at the Center for Bilingual Multicultural Studies in Cuernavaca, Mexico. Under the direction of a member of Colby's department of modern foreign languages and assisted by instructors from the center, students are expected to complete 15 hours of academic credit and at the same time will fulfill the Colby language requirement. Students will live with Mexican families during the 13-week session. Costs, including air fare, approximate those of a semester at Colby. Further details may be obtained from the department of modern foreign languages.

Many opportunities for study abroad in these and other countries are available through the programs of other institutions or by independent arrangement.

Permission to study abroad during the junior year is given by the committee on foreign study and student exchange programs. Credit for such study is guaranteed only if the student follows a program approved in advance by the major department and the committee. Application must be made by November 15 for spring-semester study abroad and by April 15 for fall-semester; forms can be obtained from members of the committee. Approved applicants must notify the dean of students office of their plans by December 15 for a second semester abroad or by May 1 for a first semester abroad.

Committee approval presupposes an academic record for the first three semesters sufficient to give promise that the student will complete the program of foreign study with credit both to the individual and to the college. No student on probation will receive committee approval.

The committee administers the Harold D. Walker Scholarship Grants for study and travel in Latin America, the French Government Scholarship Fund for study abroad in French language and literature, and the James Perry Class of 1911 Fellowships for study abroad with preference to students admitted to a college or university in the Near East.

EXCHANGE PROGRAMS

Colby participates in student exchange programs with Fisk University in Tennessee, Howard University in Washington, D.C., and Pitzer and Pomona colleges in California. Ordinarily, exchanges are arranged for a single semester of the junior year. Each student pays tuition, board, and room charges at the home institution; travel is at the student's expense.

A course exchange program is in effect with Thomas College (Waterville). Students may obtain information about exchange programs from the committee on foreign study and student exchange programs.

OFF-CAMPUS PROGRAMS

Qualified students may earn academic credit by undertaking off-campus field experiences which have a direct, demonstrated relation-

ship to their major field of study. Such field experiences may be done while in residence at the college, concurrent with regular course work, or away from campus while on a leave of absence. Students must submit a formal proposal, to be approved by the appropriate academic department in advance of the start of the field experience. In some situations, students earning Colby credits in this program are charged an administrative fee.

An opportunity is provided for a limited number of Colby students in their sophomore and junior years to participate in the various Washington Semester Programs organized by The American University in Washington, D.C. Through these programs, students can obtain first-hand knowledge of the national government as it deals with the crucial problems of foreign policy, economic policy, criminal justice, and urban affairs.

Colby is one of several institutions participating in the Williams College-Mystic Seaport Program in American Maritime Studies, a one-semester program offering courses in American maritime history and literature, marine policy, oceanography, and marine ecology. Twelve days are spent at sea on a sailing vessel. In addition to formal course work, students develop maritime skills (e.g., celestial navigation, boat-building, small-boat handling) under professional instruction. The program is accredited through Williams College.

Colby belongs to the College Venture Program, which is a job placement service for students who wish to take a leave of absence from campus to gain a fresh perspective on academic work, to explore a career, or to take a break from a rigorous academic program. Venture offers jobs in a broad variety of career fields. There are jobs suited to most majors, and jobs for students who are not yet sure of their field of study.

SENIOR SCHOLARS

This honors program permits a limited number of seniors to devote six credit hours per semester to a project approved by a faculty committee and pursued under the guidance of a faculty member. A final report is judged by three faculty readers and, upon successful completion, the senior scholar's report is deposited in the college library. Senior scholars are cited in the commencement exercises.

COMPUTER RESOURCES

Plans developed by the faculty and endorsed by the trustees call for significantly increasing the use of computers in the curriculum during the next several years. New faculty appointments enable Colby to offer instruction in computer science, and key courses have been identified in which to introduce students to uses of computers in several disciplines. Computer literacy for all graduates is an objective. Facilities have been greatly expanded during the past year and now provide

highly sophisticated but very approachable computing to a large number of simultaneous users. About 70 keyboard terminals at several locations on the campus are connected through a data communications network to two Digital Equipment time-sharing systems at the computer center. The new VAX-11/780 and the PDP-11 run the UNIX operating system (developed at Bell Laboratories), and the PDP-11 also runs RSTS/E. Users may program in C, PASCAL, FORTRAN-77, BASIC, LISP, or other languages, or they may run existing programs for statistical analysis, dynamic modeling, text processing, data-base manipulation, or specific, course-related exercises. Seven color and four black-and-white CRT terminals and printers provide for the display of computer-generated graphics and are supported by a growing library of program routines to make their use easier. Every student who asks for an account has free, unlimited use of these resources for any non-commercial purpose.

AUDITING COURSES

A Colby student may register to audit courses (not for credit) by obtaining written consent of the instructor and adviser. No auditing fee is charged, and the audit is not recorded on the student's permanent record.

Adults who are not students of the college may register to audit courses at a fee of \$5 each semester for each credit hour, provided they obtain written consent of the instructor and of the dean of admissions; the fee is waived for persons 65 years of age or older. Members of the college staff and their spouses may register without charge to audit courses or to take courses for credit; the necessary forms can be obtained from the registrar. Permission to audit will be withheld if the class is already too large and if auditing applications for it are numerous.

An auditor is not permitted to submit papers or perform any other function for which course credit is usually given. For this reason, auditing is seldom permitted in courses where the method of instruction involves significant individual attention and criticism. Under no circumstances can academic credit be given an auditor, nor can an audited course later be converted into an accredited course merely by paying the regular course fee. The decision whether the course is to be audited or taken for credit must be made at entry.

Academic Standards

ACADEMIC STANDING

A student's class standing is determined by the number of credit hours passed.

Freshman standing: fewer than 24 credit hours.

Sophomore standing: 24 to 53 credit hours.

Junior standing: 54 to 83 credit hours.

Senior standing: 84 or more credit hours.

WARNINGS Throughout the semester, at the discretion of the professor, warnings are sent to students. A *major* warning means that a student's average is below passing; a *minor* warning means that a student's average is barely passing.

MARKS A student may obtain marks from instructors, but the only official college record is that maintained in the registrar's office. Grade reports are issued in duplicate to the student at the end of each semester; the college does not normally furnish parents with reports.

In regularly graded courses:

Marks are ordinarily posted as *A*, *B*, *C*, *D*, and *F*, with + or - appended to grades *A* through *D*. A mark below *D* - means failure.

In nongraded courses:

During the semester, *Cr* indicates credit is earned; *NC* is recorded if credit is not earned.

During January, *Cr* indicates credit for program; *F* is recorded if no credit is earned.

Abs signifies absent from final exam.

Inc signifies incomplete; a course is not finished for some reason besides failure to take final exam.

Grades of *Abs* or *Inc* must be made up within limits set up by the instructor but not later than January 15 for the first semester or July 1 for the second semester. After these dates, any remaining mark of *Abs* or *Inc* will be changed to *F* unless the student has applied for, and circumstances warrant, an extension by the dean of students. For the completion of work without penalty, extensions are considered for exceptional circumstances only.

Marks of *W* and *WF* indicate withdrawal from a course and represent the student's standing at the time of withdrawal.

WF indicates that the student was failing.

W indicates either passing or no basis for judgment.

These marks are excluded from computation of all averages except that *WF*'s incurred within the last 30 calendar days of the semester are treated as *F*'s in averages. Withdrawal is permitted through the final class day of the semester.

F indicates failure or abandoning a course without permission.

R following a letter mark indicates that a student has repeated a course previously passed (no additional credit hours accrue).

Students who earn fewer than 12 credits or 24 quality points during any semester at Colby may be placed on probation or dropped from the college by the committee on academic standing.

PASS/FAIL

Students may elect a limited number of courses on a pass/fail basis; these cannot include distribution requirements. Departments may specify that major courses must be taken on a conventionally graded basis; it is the student's responsibility to be aware of the policy of his department.

Forms for declaring pass/fail options can be obtained at the registrar's office. The form must be completed and returned by the end of the change of course period in the semester in which the course is taken. Once submitted, a pass/fail election may not be voluntarily revoked. Letter grades submitted by instructors will be converted to *P* (for grades *A* through *D-*) or *NP* before being posted on permanent record cards. Each credit hour of *P* is awarded one quality point. The registrar's office cannot release more specific information on the quality of the *P*, even upon request of the student who earned it.

EXAMS

SEMESTER EXAMS Six days are set aside at the close of each semester for exams in all courses.

The registrar's office schedules the time and place of semester exams in all courses except those that are specifically exempted by the appropriate department chairman.

An excused absence for a semester exam is granted if:
The instructor gives permission because of illness or grave emergency.
The registrar has been notified of a valid conflict of exams *on the appropriate form*, e.g., three exams on one day, four consecutive exams, or two courses with the same exam number.

A student with three exams scheduled in one day or four exams in sequence may choose the exam to be postponed.

The student must resolve a potential conflict of courses with the same exam number *at the time of registration* either by agreement with one or the other of instructors for a postponed exam or by dropping one course.

A postponed exam may be taken on the make-up day at the end of the exam period or at another time *subsequent to the scheduled exam* agreeable to both the student and the instructor.

The mark for the exam may constitute up to half of the total course mark.

There is no make-up for failed exams.

HOUR EXAMS AND QUIZZES Hour exams will be scheduled with at least one week's notice. Short quizzes may be given without notice.

Plagiarism, cheating, and other forms of academic dishonesty are serious offenses. The instructor may dismiss the offender from the course with a mark of *F* and may also report the case to the department chairman and the dean of students, who may impose other or additional penalties. A student is entitled to appeal charges of academic dishonesty to the faculty appeals board, which shall recommend action to the president of the college.

Academic Procedures

READING PERIOD

During the two weeks preceding the final examinations at the close of the second semester, a special reading period is scheduled for many courses numbered in the 300's and 400's. Not a time for review, this period frees the student from the routine of class meetings so that full time may be devoted to independent study of freshly assigned reading or laboratory work. Although classes do not meet, instructors are available for consultation. Reading-period assignments are tested in the final examinations to a maximum of one third of the examination time.

Whether to have a reading period is decided by each instructor, who informs students whether classes are to continue meeting during the two weeks. Reading periods are not held in courses exempted from final examinations.

TRANSFERRED CREDITS

Courses taken at other institutions may be credited toward the Colby degree under the conditions and circumstances listed below. In addition to the conditions listed on these pages, restrictions detailed in the section on RESIDENCE requirements (q.v.) should be read with care.

(1) When students are admitted by transfer, their records are tentatively evaluated by the registrar to determine the transferable equivalent in Colby courses. These courses are credited subject to confirmation through satisfactory progress at Colby College.

(2) College level courses taken by freshmen prior to matriculation are evaluated on the same basis as courses presented by new transfer students.

(3) Students on approved foreign study or student exchange programs will receive credit under terms specified by the committee on foreign study and student exchange programs.

(4) Credits earned in summer school or while on leave of absence may be transferred if approved by the appropriate Colby department; forms for this purpose can be obtained at the registrar's office and should be filed prior to taking the course. No student may receive credit toward graduation for more than 14 credit hours taken in summer school for the purpose of making up deficiencies incurred at Colby.

(5) When a student who has been dropped from the college applies for readmission, courses taken during the period of separation are examined for transferable credit on the same basis as courses presented by new transfer students.

WITHDRAWAL, LEAVE OF ABSENCE

Students who leave Colby while a semester is in progress are required to withdraw formally, as are students who leave at the end of a semester with no definite plans for return. Students who withdraw are not permitted to return without special approval. Students who withdraw for medical reasons must have the permission of the college physician

in order to apply for readmission. Eligibility for initial or continued financial assistance from the college will be subject to review and action by the financial aid committee.

Students who leave to participate in college-approved student programs elsewhere or who leave at the end of a semester for a specified period may take a leave of absence and are not required to obtain special permission in order to return. Those who do poorly in study programs elsewhere are, however, subject to review and action by the committee on academic standing.

Such withdrawals or leaves must be officially accomplished by filing the appropriate form, which must be obtained from and signed by the dean of students. The proper exit procedure, which includes the surrendering of the student's identification card and dormitory keys, must be followed to be eligible for any refunds that may be due (see REFUNDS). A student who leaves without official notification is not eligible for refunds, which are computed from the date on the approved notice.

TRANSCRIPTS

Students and alumni may have official transcripts mailed to other institutions, prospective employers, or other designated recipients only by requesting them in writing; a transcript request form is available at the registrar's office. The fee for this service is \$1 per transcript after the first. Only courses taken at Colby are listed.

Courses of Study

KEY TO SYMBOLS AND METHODS OF COURSE DESIGNATION

Each course is known by a title, subject, and number: e.g., *American Art* is *Art 271*.

The first digit indicates the class or classes eligible to take the course:
000: noncredit January programs; freshmen have priority unless otherwise noted.

100: open to freshmen.

200: ordinarily open to sophomores and classes above.

300: ordinarily open only to juniors and seniors.

400: ordinarily restricted to seniors.

0 in second digit: *a year course*, which may not be dropped at midyear without loss of credit. The mark at midyear indicates a student's standing, but the end-of-the-year mark is the only mark recorded, and no credit is given until that time.

An odd number as the *second digit*: an independent semester course.

An even number as the *second digit*: either of a pair of closely related semester courses *not* usually taken out of sequence, the first of which is prerequisite to the second.

An odd number as the *third digit*: course is given in first semester.

An even number as the *third digit*: course is given in the second semester.

d with a course number: course is given each semester.

d with a 1 or 2: course is given out of semester sequence.

j: January program offering in current year.

[]: course not offered in current year.

†: course will *probably* be offered in following year.

*: course will *probably not* be offered in following year.

Time and place of classes: a schedule of hours and rooms for courses listed in this catalogue is available at the registrar's office at registration periods.

Courses listed are subject to withdrawal at the discretion of the college administration.

Credit hours shown are per semester unless otherwise noted. Courses listing variable credit are offered primarily for the smaller number of credits. Students can earn augmented credit in these courses by completing such extra work as the instructor may specify.

Administrative Science

Chairman, ASSOCIATE PROFESSOR MYLES BOYLAN

Professor Yvonne Knight; Associate Professor Boylan; Assistant Professors Laurence Richards, Frederick Gautschi, and John Bubar.

The administrative science major provides a broad exposure to the art and science of decision making in a variety of organizational settings. The program of study places emphasis on analytical and creative thinking as well as the requisite communicative skills. Course requirements are eclectic, drawing on the resources of other departments at Colby, and often complement the diverse interests a student may have. Many students select a dual major or the combined major in administrative science-mathematics.

Both public and private organizations are entering an era of sophisticated computer and communications technology. As this technology is integrated into an already complex political-social-economic environment, the importance of developing the skills necessary to manage organizations with wisdom and moral responsibility is as great as ever. The department is dedicated to applying intellectual rigor, sound value judgment, and imagination to the analysis of organizational problems and to the synthesis of multidisciplinary ideas for the design of administrative systems.

Requirements for the major in administrative science:

Administrative Science 221, 222, 321, 322, 413, 494; two semesters of mathematics selected from Mathematics 113, 121, 122, 221, 222, 241, 242, 243, 244; Economics 131, 132; two semesters of psychology or Sociology 121, 122 and two semester courses selected from the following: additional courses in administrative science; Mathematics 241, 242, 243, 244; Economics 233, 234. No administrative science courses may be taken pass/fail. None of the collateral courses used to satisfy major requirements may be taken pass/fail.

Requirements for the major in administrative science-mathematics:

In administrative science: 221, 222, 321, 322, 413, 494; and one course selected from 313, 353, 372; and Economics 131, 132.

In mathematics: at least 18 credit hours, including 221, 222; either 241, 242 or 381, 382; at least six hours must be at the 300 or 400 level.

Sociology 121, 122 or two courses in psychology are recommended but not required.

None of the above courses may be taken pass/fail.

The point scale for retention of the administrative science-mathematics major applies to all courses offered toward the major. No requirements for the major may be taken pass/fail.

221, 222 ACCOUNTING MRS. KNIGHT AND MR. BUBAR	The underlying theory and analytical aspects of accounting as a control device and tool of management, including an examination of the role of accounting in modern society—its relationship to law, economics, and social policy. <i>Three credit hours.</i>
271 INTRODUCTION TO DECISION MAKING MR. RICHARDS	An examination of analytical, organizational, political, and cognitive theories of decision making. Consideration is given to risk and cost-benefit analysis, computer models, ethical decision making, group choice, and creativity. A case approach is used to enable students to apply theory to complex policy problems. <i>Three or four credit hours.</i>
272 THE COMPUTER AND DECISION MAKING MR. RICHARDS	The philosophy, theory, and practice of computing as it applies to administrative decision making. The role of the computer as an intellectual tool is critically examined in the context of its current and potential societal applications. Consideration is given to programming techniques, management information systems, artificial intelligence, systems analysis and design, and decision support systems. Formerly listed as Computer Science 111. <i>Prerequisite:</i> Administrative Science 271 or 313. <i>Three credit hours.</i>
*313 INTRODUCTION TO CYBERNETICS MR. RICHARDS	The science of communication and control. Concepts to be studied include change, information, feedback, variety, regulation, structure, environment, survival, adaptation, stability, self-organization, intelligence, paradox, self-reference, and autonomy. Applications to communications and control processes in organizations and the design of administrative systems are considered. Formerly listed as Administrative Science 113. <i>Prerequisite:</i> Mathematics 113 and 121, or 221. <i>Three or four credit hours.</i>
321, 322 FINANCE MR. BOYLAN	An analytically structured approach to decision making in the financial area. Money and capital markets are considered. <i>Prerequisite:</i> Administrative Science 221, 222 and Economics 131, 132 or special permission. <i>Three or four credit hours.</i>
333d2 MARKETING MR. GAUTSCHI	Development of the broad concept of marketing as an all-pervasive organizational and societal function, both domestically and internationally. <i>Four credit hours.</i>
334 ADMINISTRATION OF PUBLIC AND SOCIAL SERVICE ORGANIZATIONS MRS. KNIGHT	An introduction to the theories and methodologies utilized in the administration of public and social service organizations: federal, state, and local government units, health care and educational institutions. Emphasis placed on the management tools and skills that best enable

the organization to perform its function efficiently and effectively in an environment of constantly changing social and economic values.

Prerequisite: Administrative Science 221, 222 or permission of the instructor. *Three credit hours.*

336
POLITICAL AND SOCIAL
ENVIRONMENT OF BUSINESSES
AND OTHER INSTITUTIONS
MR. GAUTSCHI

Relationships between the private sector and the changing sociopolitical environment in the American political economy, relationship between business and other institutions, influence of business on public values and policies, and the emerging characteristics of the sociopolitical environment. *Three or four credit hours.*

341, 342
ADVANCED ACCOUNTING
MR. BUBAR

Advanced study of accounting theory, with stress on analytical, interpretative, and managerial aspects of the subject. Concepts relating to major current accounting questions are examined.

Prerequisite: Administrative Science 221, 222. *Three credit hours.*

†[353]
MANAGERIAL ECONOMICS

The application of scientific methods, with an emphasis on economic modeling techniques, to administrative analysis and planning. Topics include decision theory, forecasting, demand analysis, cost estimation, pricing, promotion, productivity, and capital budgeting.

Prerequisites: Administrative Science 221, 222 and Economics 131, 132. Mathematics 121 and 241 are recommended. *Three credit hours.*

354d1
LAW
MR. GAUTSCHI

The processes of law that underlie personal and institutional relationships. *Four credit hours.*

372
OPERATIONS RESEARCH
MR. RICHARDS

The application of scientific methods, with an emphasis on mathematical and statistical modeling techniques, to organizational problem-solving and design. Topics include linear programming, transportation and assignment models, scheduling and network models, dynamic programming, stochastic processes, simulation, queueing and inventory theory, and information systems.

Prerequisite: Mathematics 113 and 121, or 221. Mathematics 241 or 381 is recommended. *Three or four credit hours.*

411
THE CONSUMER IN SOCIETY
MRS. KNIGHT

Consumer behavior is examined within the framework of the financial and social institutions that comprise our complex society. Emphasis is given to those aspects related to financial goals, alternatives, and decisions. *Three credit hours.*

412d1
INVESTMENTS
MRS. KNIGHT

Traditional concepts of investment analysis and an examination of recent scientific research on securities markets and other investments. Aberrations in market behavior due to crowd psychology are considered.

Prerequisite: Administrative Science 221, 222, 321, 322. *Three credit hours.*

413
ORGANIZATIONAL BEHAVIOR
MR. GAUTSCHI

This course utilizes a historical and sociological orientation as it examines the existing empirical data and theoretical concepts dealing with the behavior of people in business and other organizations. *Three credit hours.*

491, 492
INDEPENDENT STUDY
FACULTY

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Permission of the instructor. *One to four credit hours.*

494
SENIOR SEMINAR
FACULTY

Topics concerned with the broad administrative spectrum. Choice depends upon the interest and needs of the particular class.
Prerequisite: Administrative Science 221, 222, 321, 322, 413, and two additional semester courses in administrative science or from the approved group (see major requirements). *Four credit hours.*

American Studies

Director, PROFESSOR CHARLES BASSETT (Sem. I), ASSISTANT PROFESSOR RICHARD MOSS (Sem. II)

ADVISORY COMMITTEE: Professors Bassett (English), Joel Bernard (History), Patrick Brancaccio (English), Fraser Cocks (Special Collections), Frederick Geib (Sociology), Henry Gemery (Economics), Peter Harris (English), Yeager Hudson (Philosophy), Jane Hunter (History), Thomas Longstaff (Religion), Paul Machlin (Music), Calvin Mackenzie (Government), Sandy Maisel (Government), Phyllis Mannocchi (English), Deborah McDowell (English), Judith Modell (Anthropology), Thomas Morrione (Sociology), Moss (History), Harold Raymond (History), John Sweney (English), Robert Weisbrot (History), and Jonathan Weiss (French); and five students majoring in American Studies.

A student majoring in American studies at Colby is taught—in single courses and through a combination of courses—the subject matter of America's past and present, with special effort devoted to the integration and knowledge of more than one academic discipline. Built around a core of courses in American history and American literature, the American studies program strives for genuinely interdisciplinary insights into the complexities of American thought and culture.

Requirements for the major in American studies (through the class of 1983): Five courses, to include a senior seminar, in an area of concentration in either American literature or American history. These courses must

demonstrate adequate chronological breadth, and include offerings at the 200, 300, and 400 levels.

Three courses in the area, American literature or history, not chosen as the area of concentration.

Senior majors are required to complete American Studies 493.

One senior seminar or independent study course with an American emphasis in a department other than the area of concentration.

Additional courses with an American emphasis to bring the total to at least 14 courses. These may be selected from a list available from the major adviser, and include offerings in administrative science, American studies, art, biology, economics, education, geology, government, music, philosophy, psychology, religion, and sociology.

The point scale for retention of the major applies to all courses offered toward the major. No requirement for the major may be taken pass/fail.

Requirements for the major in American studies (beginning with the class of 1984):

Five courses, to include a senior seminar or independent study course, in American history, coordinated chronologically or thematically with the required courses in American literature, and including courses at the 200, 300, and 400 levels.

Five courses, to include a senior seminar or independent study course, in American literature, coordinated chronologically or thematically with the required courses in American history, and including courses at the 200, 300, and 400 levels.

Note: By the end of the sophomore year, majors are required to have completed History 123, 124 (Survey of United States History) and English 251 and 252 (Major American Writers I and II). Sophomore majors are strongly urged to complete American Studies 258. Senior majors are required to complete American Studies 493 (Seminar in American Studies), which may be used to satisfy one of the senior seminar or independent study requirements in American history or American literature.

Additional courses with an American emphasis—coordinated with the approval of the major adviser according to chronology, theme, or method—to bring the total to at least 15 courses. These may be selected from a list available from the major adviser, and include offerings in administrative science, American studies, art, biology, economics, education, geology, government, music, philosophy, psychology, religion, and sociology.

Majors in American studies may apply during their junior year for selection for admission to the honors program. On successful completion of the work of the honors program and of the major, their graduation from the college will be noted as being “With Honors in American Studies.”

The point scale for retention of the major applies to all courses offered toward the major. No requirement for the major may be taken pass/fail.

Courses in American Studies (approved for the major):

ADMINISTRATIVE SCIENCE: 354 Law.

AMERICAN STUDIES: -97, -98 Selected Topics (except at the 100 level); 258 American Character and Culture; 274 Women's Studies: The Female Experience in America; 276 Black Culture in America; 297 Comparative Canadian Literature; 491, 492 Independent Study; 493 Seminar in American Studies.

ANTHROPOLOGY: 211 American Indians; 311 Culture and Personality.

ART: 271 American Art; 356 Twentieth-Century Art; 491, 492 Independent Study.

BIOLOGY: 352 Ecological Theory.

ECONOMICS: 217, 218 Seminars: Economic Analysis and Policy; 231 Introduction to Environmental Economics; 256 Unions, Collective Bargaining, and Public Policy; 274 American Economic History; 294 Urban and Regional Economics; 314 Economics of Population; 331 Industrial Organization and Antitrust Economics; 332 Regulated Industries; 338 Money, Banking, and Monetary Policy; 351 Public Finance; 352 Fiscal Policy; 379 Seminar in Environmental Economics; 431 History of Economic Thought; 491, 492 Independent Study.

EDUCATION: 294 Comparative History of Women's Education; 336 History of the American School.

ENGLISH: 251 Major American Writers I; 252 Major American Writers II; 351 The American Renaissance I; 352 The American Renaissance II; 353 American Realism and Naturalism; 355 Black American Literature; 356 Modern American Fiction; 357 American Poetry; 358 Contemporary American Poetry; 359 Early American Authors; 375 Modern Drama I; 376 Modern Drama II; 491, 492 Independent Study; 493, 494 Seminars in British and American Literature (when appropriate).

GEOLOGY: 323, 324 Map Interpretation and Geomorphology of the United States.

GOVERNMENT: 211 The American System and the Shaping of the Modern Polity; 273 The American Congress; 274 The American Presidency; 314 American Constitutional Law; 316 American Political Thought; 317 The Policy-making Process; 319 Law and Social Change; 321, 322 Political Theory; 356 Parties and the Electoral Process; 359 Government and the Press; 375 The Committee System in the United States Congress; 392 The Administrative Process; 393 State and Local Government; 412 Colloquium on Political Theory and Constitutional Law; 433, 434 Seminar in American National Government and Politics; 436 American Politics Seminar: Voting Behavior; 438

Seminar in Policy Analysis; 457 Foreign Policy of the United States; 491, 492 Independent Study.

HISTORY: 123, 124 Survey of United States History; 215 America and Asia: Attitudes and Relationships; 253 American Diplomatic History, 1775-1898; 257 The History of Women in America; 258 American Character and Culture; 277 Afro-American History: From Slavery to Freedom; 278 Afro-American History II; 311 Tutorial in History; 334 Crisis and Reform: The 1960's; 353 American Culture and Society, 1865-1975; 354 American Intellectual History, 1865-1917; 372 The American Civil War; 373 American Political History, 1865-1929; 374 American Political History, 1929 to Present; 376 America: The New World, 1607-1783; 378 The United States: 1783-1860; 379 Black History III; 393 American Cultural History: 1600-1865; 394 Slavery and the American South: 1819-1857; 415, 416 Seminar in American History; 432 Seminar in Black History; 491, 492 Independent Study.

MUSIC: 131 Studies in American Music; 491, 492 Independent Study.

PHILOSOPHY: 352 American Philosophy; 491, 492 Independent Study.

PSYCHOLOGY: 253 Social Psychology; 491, 492 Independent Study.

RELIGION: 217 Religion in America; 277, 278 Religious Perspectives; 281 Cultural Euthenics; 316 Contemporary Western Theology; 491, 492 Independent Study.

SOCIOLOGY: 211, 212 Short Courses in Sociology; 231 Contemporary Social Issues; 233 Criminology; 252 Race and Minorities; 253 Urban Sociology; 274 Social Stratification; 276 Men and Women in Society; 318 Contemporary Theory; 351 Introduction to Anthropology; 352 Cultural Anthropology; 391 Social Change; 394 Collective Behavior; 491, 492 Independent Study.

258
AMERICAN CHARACTER
AND CULTURE
MR. BERNARD

Listed as History 258 (q.v.). *Three credit hours.*

274
WOMEN'S STUDIES: THE
FEMALE EXPERIENCE IN
AMERICA
MS. MANNOCCHI

A re-creation of the female experience in nineteenth- and twentieth-century America through an analysis of the primary documents of women's lives: letters, diaries, autobiographies, oral histories, autobiographical novels, and films by women filmmakers. In 1983, autobiographical writings by Emma Goldman, Lillian Hellman, and Anaïs Nin will be supplemented by primary source materials from the lives of lesser-known American women, culminating in a small-group production of an audiovisual documentary or an independent project on the contemporary female experience in America. Open to men and women.

Prerequisite: Sophomore standing or permission of the instructor.
Three or four credit hours.

276
BLACK CULTURE IN AMERICA
MS. MCDOWELL

An interdisciplinary examination of black cultural expression from the slave era to the present, including folk tales and beliefs, blues, work songs, jazz, sermons, dance, and literature, tracing the stages of development of a distinctive black culture in America and its relationship to the historical, social, and political realities of black Americans.

Prerequisite: Sophomore standing or permission of the instructor.
Three credit hours.

297j
COMPARATIVE CANADIAN
LITERATURE
MR. WEISS AND MR. HARRIS

A cross-cultural comparison of the literature of some major French and English Canadian novelists and poets. French Canadian texts will be read in translation. *Three credit hours.*

491, 492
INDEPENDENT STUDY
FACULTY

Individual study of special problems in American studies in areas where the student has demonstrated the interest and competence necessary for independent work.

Prerequisite: Permission of the instructor and the program director.
One to four credit hours.

493
SEMINAR IN AMERICAN STUDIES
MR. BASSETT AND MR. MOSS

An interdisciplinary seminar incorporating theoretical approaches to the study of American thought and culture. Topic will change each semester. Fall 1982: "Periods and Problems in American Culture."

Prerequisite: Senior standing as American studies major. *Three credit hours.*

Ancient History

IN THE DEPARTMENT OF CLASSICS

151
INTRODUCTION TO GREEK
CIVILIZATION
MRS. KOONCE

A survey of Greek culture from Homer to Plato, with special attention to the artistic developments that culminated in the Periclean age of Athens. *Three or four credit hours.*

*154d1
ROMAN HISTORY
MR. ROSENSTEIN

A survey of selected topics in the history of Rome from the foundation of the city to the conversion of Constantine. Particular attention will be given to changes in Roman society; the city's rise to world empire; its transformation from aristocracy to monarchy; problems of legitimacy

and succession in the Empire; and the costs of ruling the world. *Three credit hours.*

†[177], *178
ROMAN RELIGION
MR. ROSENSTEIN

A survey of religious experience and belief from archaic times to the emergence of Christianity as the dominant religion within the Roman Empire. Topics include civic religion at Rome; tensions between personal religious experience and the demands of a state religion; the entry of Christianity and other eastern cults into the Roman world; the growth of the early Church and the pagan response; and the conflict of ideas within patristic Christianity. *Two or three credit hours.*

*252
PREHISTORIC GREECE
MRS. KOONCE

The art and archaeology of Greece from the neolithic to the geometric periods, with emphasis on Minoan and Mycenaean culture. *Three or four credit hours.*

†[352]
ATHENS IN THE FIFTH CENTURY

The forces that shaped Athenian democracy and the cultural and political life distinctive of Periclean Athens.

Prerequisite: Permission of the instructor. *Three or four credit hours.*

†[353]
GREECE IN THE FOURTH
CENTURY

The history of Greece from the death of Socrates to the rule of Alexander, drawing largely upon contemporary sources.

Prerequisite: Permission of the instructor. *Three or four credit hours.*

491, 492
INDEPENDENT STUDY
FACULTY

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.

Prerequisite: Permission of the instructor. *One to three credit hours.*

Anthropology

111
INTRODUCTION TO
ANTHROPOLOGY
MS. MODELL

The discipline of anthropology; comparative study of societies at different levels of development and complexity; interrelationships among behaviors, beliefs, individual personality in various groups. Methods of cross-cultural inquiry will be emphasized; relevance of cross-cultural findings to our own assumptions and accepted customs will also be discussed. *Three credit hours.*

112
CULTURAL ANTHROPOLOGY
MS. MODELL

An intensive study of different societies in the world. The implications of economic, social, and religious systems for men's and women's lives; means of perpetuating and transmitting values. Sources of coherence and continuity in a group; the impact of change in the material and social environment; the effect of culture contact. Informa-

tion on societies different from our own will be used to explore our accepted notions about society, human nature, ideologies.

Prerequisite: Anthropology 111 or Sociology 351 or permission of the instructor. *Three credit hours.*

†[211]

AMERICAN INDIANS

The North American Indian, from an anthropological perspective, emphasizing changes in interactions between Indians and observers and other representatives of Western culture. As a colonized people, Indians have been examined by their colonizers in several competing and complementary ways. These ways of knowing will be discussed. Indians have asserted their independence and their own interpretation of their situation. This will form the other main emphasis of the course. *Three credit hours.*

212

THE BLACK FAMILY

MR. BROWNE

An interdisciplinary survey of adaptation to the internal and external forces of change that have shaped the modern black family. Focus will be placed upon the black family's responses to forced large-scale migration, slavery, and adjustments to life in urban America.

Prerequisite: Either Anthropology 111 or 112 or Sociology 121. *Three credit hours.*

*215

CROSS-CULTURAL PERSPECTIVES
ON SEX ROLES

MS. MODELL

Female and male roles in a range of different societies. Sources of power and prestige; implications of economic and social arrangements for female and male personality traits and behaviors; socialization and the transmission of values; religious systems. The significance of technology, household and family structure, public decision making to the relative positions of women and men in various societies. The relevance of cross-cultural data to our own assumptions and attitudes about males and females.

Prerequisite: An introductory course in one of the following: anthropology, sociology, psychology, biology, or economics; or permission of the instructor. *Three or four credit hours.*

217j

CROSS-CULTURAL RACE
RELATIONS

MR. BROWNE

An examination of the effects of prolonged contact between racial groups in America, Brazil, and South Africa, focusing on differential access to resources and opportunities, and ending with a brief analysis of the social conditions that encourage either racial harmony or conflict.

Prerequisite: Either Anthropology 111 or 112 or Sociology 121 or permission of the instructor. *Three credit hours.*

231

CARIBBEAN CULTURES

MR. BROWNE

An ethnological survey of Caribbean societies, offering insights into the history, cultures, and social institutions of selected Caribbean groups.

Prerequisite: Either Anthropology 111 or 112 or Sociology 121. *Three credit hours.*

<p>*232 OCEANIA MS. MODELL</p>	<p>Societies and cultures of the Pacific. Differences in social structure, economic level, value and belief systems; the implications of such differences for individual behavior and interactions. The stability of traditions and beliefs in a changing social and material environment; consequences of contact.</p> <p><i>Prerequisite:</i> One course in anthropology, sociology, history, or economics and permission of the instructor. <i>Three or four credit hours.</i></p>
<p>238 URBAN ANTHROPOLOGY MR. BROWNE</p>	<p>A survey of the origin, development, and growth of cities, and social adjustments to urban life. Special emphasis on problems related to urban African adaptation to both indigenous and nonindigenous populations.</p> <p><i>Prerequisite:</i> Either Anthropology 111 or 112 or Sociology 121. <i>Three credit hours.</i></p>
<p>†[311] CULTURE AND PERSONALITY</p>	<p>The links between personality and culture. How individuals fit into a cultural setting yet achieve distinctiveness, how people learn to be what they are, the boundaries a culture puts around growing up, and the relationships between cultural rules and biological, psychological, and environmental constraints.</p> <p><i>Prerequisite:</i> Two courses in any one or combination of the following departments: sociology, psychology, biology, or philosophy; or permission of the instructor. <i>Three credit hours.</i></p>

Art

Chairman, ASSOCIATE PROFESSOR DAVID SIMON

Associate Professors Harriett Matthews and David Simon; *Assistant Professors* Gina Wefel and Sonia Simon¹; *Instructor* Diane Teffer.

The Colby art department includes practicing artists, art historians, and a museum director. With special studios for design, drawing, printmaking, and sculpture, as well as a museum, the department features a curriculum that allows students not only to explore the intrinsic nature of materials and techniques but also to develop their own expressive abilities. Art history offerings are designed with the recognition that the artistic products of any period are related to the social, political, and cultural concerns of that period. Students at Colby are able to approach art from both a practical and historical perspective, and thus are better able to understand the total experience of art.

Requirements for the major in art:

Art 121, 122, 161; at least nine credit hours chosen from 271, 311, 312,

314, 316, 317, 352, 356, 358; additional courses in art to bring the total to 29 semester hours; at least six semester hours chosen from other fields of study related to the individual student's interests within the major (e.g., history, philosophy, music, English). These courses should be selected with the advice and approval of the student's adviser in the sophomore or junior year.

The point scale for retention of the major applies to courses taken in the department. No requirement for the major may be taken pass/fail. A departmental examination is to be passed in the senior year.

Attention is called to the interdisciplinary major in American studies.

¹Part-time.

<p>001j CRAFTS STAFF</p>	<p>One or more projects and crafts will be sponsored by the department and supervised by artisans not on the Colby faculty. Projects in the past have included pottery, weaving, photography, and ceramics. <i>Noncredit.</i></p>
<p>002j INTRODUCTION TO FILMMAKING MS. MATTHEWS, SPONSOR</p>	<p>Each student will go through all stages of preparing and producing at least one narrative, experimental, or documentary film. Each will write scenarios and storyboards, learn about uses of the cameras, types of shots, editing, and sound. All will view films by other students and professional filmmakers, and show their own films in a special festival. <i>Noncredit.</i></p>
<p>111j BEGINNING SCULPTURE MS. MATTHEWS</p>	<p>An introduction to sculptured forms and ideas through the use of quick media. N.B. Students who complete this course will be eligible to enroll in Art 262. Enrollment limited. <i>Three credit hours.</i> <i>Prerequisite:</i> Permission of instructor.</p>
<p>121, 122 INTRODUCTION TO ART MR. SIMON AND OTHERS</p>	<p>First semester: an analytical approach to the visual arts and the historical development of European art through the Middle Ages. Second semester: the history of Western art from the Renaissance to the present. <i>Four credit hours.</i></p>
<p>141, 142 DRAWING MS. MATTHEWS</p>	<p>First semester: an introduction to fundamentals of drawing. Second semester: further exploration of these fundamentals. Out-of-class drawing is stressed. Enrollment limited. <i>Three credit hours.</i></p>
<p>161, 162 DESIGN MS. WERFEL</p>	<p>Exploration of design elements, including line, shape, value, texture, and composition. Introduction to color theory. Second semester stresses color and composition. Students must supply own materials; out-of-class work is essential. Enrollment limited. <i>Three credit hours.</i></p>

<p>241, 242 BEGINNING PAINTING MS. WERFEL</p>	<p>Oil technique; painting perceptually from still life, figure, and landscape. Students must supply own materials; out-of-class work is essential.</p> <p><i>Prerequisite:</i> Art 141 and 161 or permission of the instructor. <i>Three credit hours.</i></p>
<p>[252] SURVEY OF WESTERN ARCHITECTURE</p>	<p>Lectures will focus on significant buildings and architects from ancient to modern times. Assignments will include problems of designing, photo essay, and model building. Primarily for nonmajors. <i>Three credit hours.</i></p>
<p>261, 262 BEGINNING SCULPTURE MS. MATTHEWS</p>	<p>First semester: an introduction to form and ideas through the use of quick media. Second semester: continuation of first semester, stressing more traditional media.</p> <p><i>Prerequisite:</i> Art 141 or 161 or permission of the instructor. <i>Three credit hours.</i></p>
<p>271 AMERICAN ART MS. TEPFER</p>	<p>Architecture, sculpture, and painting from colonial times to the present. Lectures and problems make use of the original material in the Colby collections. <i>Three credit hours.</i></p>
<p>*311 ART OF ANCIENT GREECE MR. SIMON</p>	<p>Architecture, sculpture, and painting from the development of the Minoan civilization through the fall of Rome.</p> <p><i>Prerequisite:</i> Art 121 or permission of the instructor. <i>Three credit hours.</i></p>
<p>*312 ART OF THE RENAISSANCE IN ITALY INSTRUCTOR</p>	<p>The art of the fifteenth and sixteenth centuries in Italy, with emphasis on the major architects, sculptors, and painters.</p> <p><i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p>†[314] BAROQUE ART</p>	<p>The art of Europe in the seventeenth and eighteenth centuries, with emphasis on the major artists.</p> <p><i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p>†[316] ART OF THE RENAISSANCE IN NORTHERN EUROPE</p>	<p>The art of France, Germany, and the Lowlands in the fifteenth and sixteenth centuries, with emphasis on the major painters from Van Eyck to Brueghel. Special attention is given to the graphic arts (woodcuts and engravings) in Germany.</p> <p><i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>

<p>*317 EUROPEAN ART, 1780-1920 MS. TEPFER</p>	<p>Emphasis on French painting of the neoclassic, romantic, realist, impressionist, and postimpressionist movements. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p>*336 WOMEN IN ART MR. SIMON</p>	<p>Designed to cross the narrow borders of traditional art-historical period surveys, this course will focus on women's achievements as artists and on the way women have been represented in art. <i>Prerequisite:</i> Art 121, 122, or permission of the instructor. <i>Three credit hours.</i></p>
<p>341, 342 ADVANCED PAINTING MS. WERFEL</p>	<p>Emphasis on development of individual expression. Further exploration of still life, landscape, and the figure. Students must supply own materials; out-of-class work is essential. <i>Prerequisite:</i> Art 242 or permission of the instructor. <i>Three credit hours.</i></p>
<p>[352] THE GRAPHIC ARTS</p>	<p>History and criticism of drawing and printmaking, with emphasis on European art since the Renaissance. <i>Prerequisite:</i> Art 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p>*356 TWENTIETH-CENTURY ART MS. TEPFER</p>	<p>The architecture, painting, and sculpture of the present century in Europe and America. Attention to particular problems in the art of the past 50 years will take precedence over a survey-like approach. <i>Prerequisite:</i> Three semesters of art, including Art 121, 122. <i>Three credit hours.</i></p>
<p>†[358] MEDIEVAL ART</p>	<p>Architecture, sculpture, and painting in Europe from the dawn of Christian art in the third century to the construction of the great cathedrals in the thirteenth century. <i>Prerequisite:</i> Art 121. <i>Three credit hours.</i></p>
<p>361, 362 ADVANCED SCULPTURE MS. MATTHEWS</p>	<p>Further use of the techniques acquired in Art 261, 262 in developing the student's own visual ideas. Enrollment limited. <i>Prerequisite:</i> Art 261, 262. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY FACULTY</p>	<p>Individual study of special problems in the practice, history, or theory of the visual arts. <i>Prerequisite:</i> Permission of the instructor. <i>One to four credit hours.</i></p>
<p>494 SEMINAR IN ART HISTORY MS. TEPFER</p>	<p>Topics will change each spring and a complete description will be published before registration. <i>Three credit hours.</i></p>

499d
ART TEACHING
FACULTY

Directed practice in conduct of discussion sections in art history. Open to a limited number of upperclass art majors. Nongraded.

Prerequisite: Permission of the department chairman. Praxis. *Two credit hours.*

Astronomy

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

131
INTRODUCTORY ASTRONOMY
MR. CAMPBELL

A study of the universe from a physical point of view, including a discussion of the earth, the solar system, the stars and their evolution, the galaxy and some of the newly discovered peculiar objects within it (e.g., pulsars, black holes), and cosmology. *Three credit hours.*

Biology

Chairman, PROFESSOR MIRIAM BENNETT

Professors Robert Terry and Bennett; Associate Professors Thomas Easton¹, Bruce Fowles, and Arthur Champlin; Assistant Professors David Firmage, Russell Cole, and Jay Labov.

The department of biology provides its students with backgrounds in important aspects of both classical and modern biology—anatomical, physiological, developmental, evolutionary, behavioral, and ecological. Graduates enroll in medical schools, dental schools, veterinary colleges, and in graduate programs in biology. Others are employed as research assistants or as teachers at the secondary level. Special facilities include the Perkins Arboretum, the Colby-Marston Bog, and a new microscopy laboratory equipped with both scanning and transmission electron microscopes.

Two major programs are offered by the department. For each, the point scale for retention of the major applies to all courses required for the major and all elected biology courses. No requirement for the major may be taken pass/fail.

Requirements for the basic major in biology:

Two semesters of mathematics, including 121 (students who enter with Mathematics 121 or equivalent are required to take one semester of mathematics); Chemistry 141, 142; 32 hours in biology, including 121, 122, 271, 272, 301, 302 (substitutions may be made with departmental

approval); one additional year of science other than biology. Chemistry 467 may be credited towards the biology major for students in the class of 1983. The comprehensive examination in the major is to be passed in the senior year.

Biology 121, 122, 271, and 272 constitute a core program and are normally prerequisite to all higher-numbered biology courses. With special permission of the department, a student may arrange to take Biology 271 or 272 and higher-numbered biology courses concurrently.

The inclusion of geology is advised for majors preparing for teaching or for work in the field aspects of biology. Students preparing for dental, medical, or veterinary schools should take Mathematics 122, and must take Physics 121, 122, and Organic Chemistry; students preparing for graduate study in the biological sciences should also elect these courses. For most of these students, at least one further course in mathematics should be elected with the advice of the major department. Requirements for the Ph.D. degree in areas of biological science may include a reading knowledge of two modern foreign languages.

Students are encouraged to take courses at approved summer laboratories, and such courses may be approved for credit toward the major requirement.

The *environmental science concentration* is designed to provide the student adequate background to work in the environmental field or to continue on to graduate study in environmental science or in one of the biological disciplines. The requirements are: Administrative Science 354 or 413 or Economics 231; biology, 32 hours, including 121, 122, 271, 272, 301, 302, 352, and either 354 or 356; Economics 131 or 132; Chemistry 141, 142; geology, two courses selected from 141, 142, 172, 292; Mathematics 121 and either 241 or 381; Physics 112 or 121; independent study, at least two hours, taken as Biology 493 or Geology 393, 483, 484. The comprehensive examination in biology is to be passed in the senior year.

Students are encouraged to take at least one field-oriented course such as Biology 358, Sea Semester, or other similar approved programs.

Attention is called to the interdepartmental major in geology-biology and the interdisciplinary major in human development.

¹On leave second semester.

095j
HOSPITAL INTERNSHIP
MR. TERRY

Offered in cooperation with Mid-Maine Medical Center. Most students will spend two weeks in orientation, observing in various departments of the center, after which a specific area will be observed more extensively. Designed primarily for juniors and seniors who have an interest in some aspect of the health professions.

Prerequisite: Permission of the faculty sponsor and the hospital coordinators. *Noncredit.*

112j, 112 HEREDITY AND EVOLUTION MR. FOWLES, MR. TERRY	An introduction to the basics of heredity and the scope, significance, and mechanisms of evolution. Lectures only. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. <i>Three credit hours.</i> (January: <i>two credit hours.</i>)
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121, 122 INTRODUCTION TO BIOLOGY FACULTY	First semester: the form, function, and behavior of selected organisms. Second semester: the biology of reproduction, inheritance, and development. Examples will be drawn from a variety of organisms. Lectures presented by several members of the biology faculty in their areas of specialization. Lecture and laboratory. <i>Four credit hours.</i>
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134j, †[134] HUMAN EVOLUTION MR. EASTON	The evolutionary origin of Man through study of selected original papers and short publications. Attention is given to the basic theory of evolution and the forces that are effective in the process. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. <i>Three credit hours.</i>
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136 HORTICULTURE MR. FIRMAGE	Basic principles in the areas of plant structure and function will be covered and related to plant cultivation. Practical application of these principles will be discussed in areas such as lighting, propagation, pruning, and floriculture. Some laboratory work will be required, and one field trip will be taken. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Credit may not be obtained for both Biology 136 and 138. Enrollment limited. <i>Three credit hours.</i>
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†[138] PLANT BIOLOGY	An introduction to the principles of biology as illustrated by plants, with emphasis on structure, activities, and reproduction of green plants. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Credit may not be obtained for both Biology 136 and 138. Enrollment limited. <i>Three credit hours.</i>
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212 ASPECTS OF HUMAN PHYSIOLOGY MR. LABOV	An examination of the human organism and its functions. Topics to be studied will include the physiology of metabolism, integration of information via nerves and hormones, circulation, breathing mechanisms, reproduction, excretion, manipulation of the external and internal environment by muscles, and nutrition. History and methodology of human physiology as a science will be examined throughout the course. Cannot be counted toward the biology major.
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Prerequisite: Biology 121. Enrollment limited. Lecture only: *three credit hours*; lecture and laboratory: *four credit hours*.

219 ENVIRONMENTAL SCIENCE MR. COLE	Basic concepts in ecology are examined in detail at the population and ecosystem levels. The relevance of these concepts to current environmental problems is stressed. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. <i>Three credit hours</i> .
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271 INTRODUCTION TO ECOLOGY; INTRODUCTION TO EVOLUTION MR. FOWLES, MR. COLE, AND MR. FIRMAGE	Part I: introduction to ecological principles: structure and function of natural ecosystems, patterns of distribution, energy flow, nutrient cycling, and population dynamics. Field trips may include at least one Saturday trip and are taken to sites representative of local terrestrial, fresh-water, and marine ecosystems. Part II: introduction to the scope, significance, and mechanisms of evolution. Lecture and laboratory. <i>Prerequisite:</i> Biology 121, 122 or equivalent. <i>Four credit hours</i> .
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272 CELL BIOLOGY MR. CHAMPLIN	An introduction to the study of cellular and molecular biology: an examination of the structure and function of nuclear and cytoplasmic components, with emphasis on experimental findings. Instruction in basic histological and cytochemical techniques is included, in addition to studies of selected cellular properties. Lecture and laboratory. <i>Prerequisite:</i> Biology 121, 122 or equivalent and Chemistry 141, 142 (may be taken concurrently), or permission of the instructor. <i>Four credit hours</i> .
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301, 302 BIOLOGY SEMINAR FACULTY	Discussion of contemporary topics in biology. Choice of several topics. Nongraded. <i>Prerequisite:</i> Junior or senior standing as a biology or geology-biology major. <i>One credit hour for the year</i> .
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†[311] TAXONOMY OF FLOWERING PLANTS	An introduction to the study of variation, evolution, and classification of flowering plants, and the techniques used by systematists in establishing relationships among plants. Identification of specimens that characterize the major families of flowering plants represented in the local flora is stressed. Lecture and laboratory. <i>Prerequisite:</i> Biology 271 and 272, or permission of the instructor. <i>Four credit hours</i> .
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312 VERTEBRATE BIOLOGY MR. COLE	Classification, distribution, and ecology of vertebrates. The adaptive strategies of animals to interactions with the environment, plants, and other animals will be considered. Vertebrates common to New England will be emphasized. Lecture and laboratory.
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	<i>Prerequisite:</i> Biology 271 and 272, or permission of the instructor. <i>Four credit hours.</i>
314 PLANT PHYSIOLOGY MR. FOWLES	The essential mechanisms of plant functions. Lecture and laboratory. <i>Prerequisite:</i> Biology 271 and 272, or permission of the instructor. <i>Four credit hours.</i>
315 CELLULAR PHYSIOLOGY MR. TERRY	An introduction to physiological processes, with emphasis on the functional organization of the cell, the cellular environment, membrane exchange mechanisms, excitability, and contractility. Lecture and laboratory. <i>Prerequisite:</i> Biology 271 and 272, or permission of the instructor. <i>Four credit hours.</i>
316 INVERTEBRATE BIOLOGY MISS BENNETT	The morphology, physiology, and classification of the invertebrates. Lecture and laboratory. <i>Prerequisite:</i> Biology 271 and 272, or permission of the instructor. <i>Four credit hours.</i>
317 ANIMAL HISTOLOGY MR. EASTON	The structure of cells, tissues, and organs, principally of vertebrates, with aspects of function. Lecture and laboratory. <i>Prerequisite:</i> Biology 271 and 272, or permission of the instructor. <i>Four credit hours.</i>
318 MICROBIOLOGY MR. TERRY	The biology of bacteria and viruses. The aims of the course are to develop general knowledge in this area and to give practical experience in techniques. Lecture and laboratory. <i>Prerequisite:</i> Biology 271 and 272, or permission of the instructor. <i>Four credit hours.</i>
*319 BIOLOGY OF THE LOWER PLANTS MR. FOWLES	Comparative studies of the morphology, development, physiology, and significance of algae, fungi, and bryophytes. Lecture and laboratory. <i>Prerequisite:</i> Biology 271 and 272, or permission of the instructor. <i>Four credit hours.</i>
†[331] CONTEMPORARY PROBLEMS IN BIOLOGY	Lectures, discussions, and laboratory exercises that emphasize methodology, acquisition of knowledge, and analysis of information in present-day studies of selected organisms, their reproduction, genetics, and development. The biological bases of some societal issues arising from advances in these areas will also be stressed. Cannot be counted toward the biology major. <i>Prerequisite:</i> Junior or senior standing in majors other than biology. <i>Four credit hours.</i>

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- †[332]
DEVELOPMENTAL BIOLOGY
- A study of development, with emphasis on the experimental findings that have led to present ideas of the morphological and chemical processes underlying the development and growth of organisms. Lecture and laboratory.
- Prerequisite:* Biology 271 and 272, or permission of an instructor. *Four credit hours.*
-
- 333
CHORDATE EVOLUTION
MR. EASTON
- A study of the origins of vertebrate form through consideration of homologies in extinct and living organisms. Lecture and laboratory.
- Prerequisite:* Biology 271 and 272, or permission of the instructor. *Four credit hours.*
-
- *337
THE REPRODUCTIVE BIOLOGY
OF FLOWERING PLANTS
MR. FIRMAGE
- A study of the flowering process in various plant groups and the mechanisms of pollination they employ. Seed production and vegetational propagation strategies will also be considered. Lecture and laboratory.
- Prerequisite:* Biology 271 and 272, or permission of the instructor. *Three credit hours.*
-
- 352
ECOLOGICAL THEORY
MR. COLE AND MR. FIRMAGE
- An examination of the theoretical aspects of population and community ecology, emphasizing population regulation, demography, trophic relationships and community structure, and development. Coevolutionary interactions among plants and animals will be considered. Relevance of ecological theory to our environmental crisis will be discussed. Lecture and discussion.
- Prerequisite:* Biology 271 and 272, or permission of the instructors. *Three credit hours.*
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- †[354]
MARINE ECOLOGY
- Field and laboratory studies of marine ecosystems, with emphasis on estuarine and coastal communities; quantitative sampling methods and data analysis will be undertaken in group projects. Occasional weekend trips to the coast. Lecture, laboratory, and discussion.
- Prerequisite:* Biology 352 (may be taken concurrently). *Two credit hours.*
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- *356
INLAND ECOLOGY
MR. COLE AND MR. FIRMAGE
- Field and laboratory studies of terrestrial and fresh-water communities; quantitative sampling methods and analysis of data will be accomplished through group and individual projects. Lecture, laboratory, and discussion. Occasional weekend field trips.
- Prerequisite:* Biology 352 (may be taken concurrently). *Three credit hours.*

358j, 358 ECOLOGICAL FIELD STUDY FACULTY	A trip to a south temperate or tropical area during the spring recess or the January term. Students must cover expenses. <i>Prerequisite:</i> Permission of the instructors. <i>One credit hour.</i> (January: <i>three credit hours.</i>)
371 GENETICS MR. CHAMPLIN	The mechanisms of inheritance, with emphasis on experimental findings. The physical and chemical bases for the behavior of genes in individuals and populations are examined. <i>Prerequisite:</i> Biology 271 and 272, or permission of the instructor. Lecture only: <i>three credit hours</i> ; lecture and laboratory: <i>four credit hours.</i>
375 PROBLEMS IN COMPARATIVE ANIMAL PHYSIOLOGY MISS BENNETT	Studies of the manners in which animals of major phyla cope with their functional problems. Both ecological and evolutionary correlations are stressed. Lectures only. Augmented credit of one hour based on the addition of laboratory studies emphasizing the methods of comparative physiology. <i>Prerequisite:</i> Biology 271 and 272, or permission of the instructor. <i>Three or four credit hours.</i>
377 TOPICS IN NEUROBIOLOGY MR. LABOV	Lectures, discussions, and readings on the functional organization of nervous systems, and on how nervous information is received, coded, stored, and transmitted by living organisms. Augmented credit of one hour based on addition of laboratory work. <i>Prerequisite:</i> Biology 271 and 272, or permission of the instructor. <i>Three or four credit hours.</i>
378 ANIMAL BEHAVIOR MR. LABOV	An examination of animal behavior from a biological viewpoint. Topics will include the control, development, function, and evolution of behavior. <i>Prerequisite:</i> Biology 271 or permission of the instructor. Lecture only: <i>three credit hours</i> ; lecture and laboratory: <i>four credit hours.</i>
379 ELECTRON MICROSCOPY MR. CHAMPLIN AND MR. ALLEN	Principles and practice of transmission and scanning electron microscopy, including electron optics, imaging, and x-ray microanalysis. The routine operation of both the TEM and SEM will be presented and practiced, as will the principles and techniques of sample preparation from both living and nonliving materials. The interpretation and evaluation of electron photomicrographs and x-ray spectra will be emphasized. Students will have an opportunity to develop further their techniques and expertise in the area of greatest interest to them. Enrollment limited. Lecture and laboratory. <i>Prerequisite:</i> Chemistry 141, 142, standing as a junior or senior major in one of the natural sciences, and permission of the instructor. <i>Four credit hours.</i>

491, 492
INDEPENDENT STUDY
FACULTY

Normally open only to senior biology majors.
Prerequisite: Permission of the department. *One to four credit hours.*

493
PROBLEMS IN ENVIRONMENTAL
SCIENCE
MR. COLE AND MR. FIRMAGE

Normally open only to junior and senior biology majors with the concentration in environmental science for work on environmentally related topics. Enrollment limited.
Prerequisite: Biology 352 and permission of the instructors. *Two to four credit hours.*

Black Studies

Director, PROFESSOR PATRICK BRANCACCIO

ADVISORY COMMITTEE: *Professors Charles Bassett (English), Brancaccio (English), Dallas Browne (Black Studies, Sociology), Henry Gemery (Economics), Deborah McDowell (English), Jonas Rosenthal (Sociology), John Sweney (English), and Robert Weisbrot (History); and two students.*

Activities in the area of black studies began in 1969 with the formation of a black studies subcommittee of the educational policy committee. The work of this committee has involved the encouragement of curriculum development, scholarly exchanges through visiting lecturers, faculty attendance at professional meetings such as the one held annually in Atlanta at the Center for Afro-American Studies, exchanges of students, and faculty visits to other colleges to keep abreast of developing programs. The committee also encourages the development of January program topics in this area. The history courses listed below may be offered as a field of concentration within the history major.

Courses offered in black studies include:

AMERICAN STUDIES: 276 Black Culture in America.

ANTHROPOLOGY: 212 The Black Family; 217 Cross-cultural Race Relations; 231 Caribbean Cultures; 238 Urban Anthropology.

ENGLISH: 355 Black American Literature; 436 African Prose.

HISTORY: 213 African History and Cultures I; 214 African History and Cultures II; 277 Afro-American History: From Slavery to Freedom; 278 Afro-American History II; 379 Black History III; 432 Seminar in Black History.

Students interested in black studies should also note the following courses, which deal with various American minority and third-world concerns.

ECONOMICS: 293 Economic Development.

GOVERNMENT; 332 Political Development in the Third World.

RELIGION: 319 Primitive Religion.

SOCIOLOGY: 231 Contemporary Social Issues; 252 Race and Minorities; 253 Urban Sociology.

Chemistry

Chairman, ASSOCIATE PROFESSOR WAYNE SMITH

Professor Paul Machemer¹; Associate Professors George Maier², Smith, and Thomas Shattuck; Visiting Associate Professor Orien Tulp; Assistant Professor Thomas Newton.

Students in the chemistry department are provided a firm foundation in the fundamental principles of the discipline. The student major has access to a wide range of instruments for course work and research projects under supervision of a faculty that includes teaching specialists in biochemistry, natural products, and organic, physical, inorganic, and analytical chemistry. Many students go on to graduate school in chemistry or to careers in medicine, dentistry, health-related fields, and industrial research. Other nontraditional fields open are patent law, environmental studies, forensic sciences, and genetic engineering.

The department offers several major programs: (1) the basic major, (2) the ACS major (accredited by the American Chemical Society), (3) the major in chemistry-biochemistry, and (4) the major in chemistry-environmental sciences. Of these majors, the ACS major is focused more sharply toward graduate work in chemistry, while the other majors provide an opportunity for additional study outside the chemistry department. A student who successfully completes the ACS program receives official certification from the American Chemical Society. It should be noted that chemistry majors who intend to apply for admission to medical, dental, or veterinary schools must take a biology course with laboratory. All prospective majors should meet with the chairman as early as possible in order to plan their full chemistry programs.

Requirements for the basic major in chemistry:

Chemistry 141, 142, 241, 242, 331, 341, 342; Mathematics 121, 122; Physics 121, 122.

Requirements for the ACS major in chemistry:

All courses required for the basic major, plus Chemistry 332, 411, and two semesters (six credit hours) of 400-level courses. Independent study may be counted as one of the two semesters.

Requirements for the major in chemistry-biochemistry:

Chemistry 141, 142; 241, 242; 312 or 341, 342; 467, 468; Mathematics

121, 122; Physics 121, 122; Biology 121, 122, 272, one additional course numbered 200 or higher.

Requirements for the major in chemistry-environmental sciences:

All courses required for the basic major, plus Chemistry 217, 483, 484; Economics 131, 132; Biology 121, 122 or Geology 141, 142.

One January program should be taken in the major.

A comprehensive examination must be taken during the senior year; the GRE advanced chemistry test may be substituted.

The point scale for retention of the major applies to all required courses and all elected chemistry courses. No requirement for the major may be taken pass/fail.

Seminars are held on Tuesday evenings; chemistry majors are expected to attend, and seniors are expected to participate. Summer employment in industrial or professional laboratories at the end of the junior year is encouraged.

Attention is called to the interdepartmental geology-chemistry major.

¹On leave first semester.

²On leave full year.

001j
NAVIGATION AND SEAMANSHIP
IN THEORY AND PRACTICE
MR. MACHEMER, SPONSOR

Three weeks aboard the 50-foot ketch *Palisander* in the French Antilles area. Eight to ten hours of instruction, lectures, and application every weekday, with at least one weekend devoted to a more extended cruise that will include night sailing. The vessel will dock each night except during night sailing exercises. Evaluation will be based on tests, a daily ship's log, and practical work. Enrollment limited to four. *Noncredit*.

†[111]
STUDIES IN ENVIRONMENTAL
BIOCHEMISTRY

A few situations in which polluting and ultimately toxic chemicals intrude upon the proper functioning of biochemical systems will be studied in great detail. Intended as a nonlaboratory course for non-science majors. *Three credit hours*.

†[112]
CHEMISTRY FOR CITIZENS

Basic chemical principles and their application to topics of current concern, such as environmental problems, energy, nuclear reactions, recycling, health, and consumerism. Intended as a nonlaboratory course for non-science majors. *Three credit hours*.

141, 142
GENERAL CHEMISTRY AND
ELEMENTARY ANALYSIS
MR. SMITH AND MR. SHATTUCK

Fundamental principles, with examples selected from inorganic chemistry; stoichiometry; atomic theory; chemical bonding; thermochemistry; gases, liquids, and solids; solutions; chemical equilibria; electrochemistry; chemistry of certain important elements; radioactivity. Lecture, discussion, and laboratory. The first-semester laboratory

is concerned with gravimetric analysis, the second with volumetric analysis and qualitative analysis. *Four credit hours.*

[193]
PRINCIPLES OF MARINE
NAVIGATION

Topics to be covered will include the magnetic compass, navigational aids, charts, piloting, dead reckoning, and celestial navigation. *Three credit hours.*

*198
NUTRITION
MR. TULP

Current concepts of nutrition and implications for optimal health; specific nutrients: availability, value as foodstuffs, utilizations, function. Open to both science and nonscience majors. *Three credit hours.*

†[217]
ENVIRONMENTAL CHEMISTRY

Application of chemical principles to such topics as mineral resources, energy, solid wastes, air and water pollution, and toxic substances. *Prerequisite: Chemistry 142. Three credit hours.*

241, 242
ORGANIC CHEMISTRY
MR. NEWTON

The chemistry of carbon compounds, aliphatic, aromatic, and heterocyclic, from the point of view of synthesis, structure, properties, and uses. Lecture, discussion, and laboratory. Laboratory includes separations, purifications, syntheses, determination of important properties. *Prerequisite: Chemistry 142. Five credit hours.*

312
FUNDAMENTALS OF PHYSICAL
CHEMISTRY
MR. MACHEMER

A lecture course to provide a fundamental understanding of the physical chemistry important to biochemists and biologists. *Prerequisite: Chemistry 242, Mathematics 122, and Physics 122. Three credit hours.*

331
QUANTITATIVE ANALYSIS
MR. SHATTUCK

A theoretical and practical study of fundamentals of analytical chemistry. Laboratory work emphasizes the acquisition of manipulative skills. Lectures are devoted to principles underlying chemical analysis, literature of analytical chemistry, precision, and sources of error. Lecture and laboratory. *Prerequisite: Chemistry 142. Four credit hours.*

332
INSTRUMENTAL ANALYTICAL
CHEMISTRY
MR. MACHEMER

Theoretical and practical instruction in special instrumental methods. Laboratory work involves potentiometric determinations, atomic, ultra-violet, infra-red, and nuclear magnetic resonance studies, polarography, gas chromatography, and radio chemistry. Lecture, discussion, and laboratory. *Prerequisite: Chemistry 331, 342 (may be taken concurrently). Four credit hours.*

341, 342
PHYSICAL CHEMISTRY
MR. SHATTUCK

The laws and theories of chemical reactivity and the physical properties of matter. Emphasis is placed on chemical equilibrium, molecular bonding, and the rates of chemical reactions. Major topics include

thermodynamics, solutions, reaction kinetics, quantum mechanics, spectroscopy, and statistical mechanics.

Prerequisite: Chemistry 142, Physics 122, and Mathematics 122. *Five credit hours.*

411
INORGANIC CHEMISTRY
MR. SMITH

Current models and concepts of inorganic chemistry, with emphasis on both structural and reaction aspects. Topics include bonding and structure, periodic properties, acid-base theories, nonaqueous solvents, applications of thermodynamics, coordination compounds, and selected areas of descriptive chemistry of current interest. Lecture and discussion.

Prerequisite: Chemistry 342. *Four credit hours.*

413
INTEGRATED LABORATORY
STUDIES
MR. NEWTON

Synthesis and characterization of organic, inorganic, and organometallic compounds.

Corequisite: Chemistry 411 or 431. *One to three credit hours.*

431
PHYSICAL ORGANIC CHEMISTRY
MR. NEWTON

Reaction mechanisms, molecular rearrangements, nonclassical carbonium ions, hard-soft acid-base theory, carbenes and nitrenes, qualitative molecular orbital theory, and pericyclic reactions. Lecture.

Prerequisite: Chemistry 242, 342. *Three credit hours.*

432
ADVANCED ORGANIC CHEMISTRY
MR. NEWTON

The analysis and design of syntheses of complex molecules of biological importance: steroids, alkaloids, pheromones, juvenile hormones, prostaglandins, gibberellins, and antibiotics. Lecture.

Prerequisite: Chemistry 242. *Two credit hours.*

434
ADVANCED PHYSICAL CHEMISTRY
MR. SMITH

Use of principles of symmetry and group theory as an aid in understanding chemical bonding and interpreting molecular spectroscopy.

Prerequisite: Chemistry 342. *Three credit hours.*

467, 468
BIOCHEMISTRY
MR. TULP

Chemical components of living matter and of the major processes of cellular metabolism, including the fundamental chemical characteristics of biological compounds and enzymatic reactions. Biology 121, 122 are recommended as preparation.

Prerequisite: Chemistry 242. *Lecture only: four credit hours; lecture and laboratory: five credit hours.*

483, 484
SPECIAL TOPICS IN
ENVIRONMENTAL CHEMISTRY
MR. SMITH

Primarily a laboratory course with emphasis on independent studies of environmentally related topics. A paper and oral presentation are required.

Prerequisite: Chemistry 217 and permission of the department. *One to three credit hours.*

491, 492
INDEPENDENT STUDY
FACULTY

Laboratory work of a special (semiresearch) nature may be arranged with the instructor. Three to nine hours per week. *One to three credit hours.*

†[494]
SEMINAR IN BIOCHEMISTRY

Reading and discussion of current literature, emphasizing a common theme in an emerging area of biochemistry.
Prerequisite: Chemistry 467 or permission of the department. *Two credit hours.*

Chinese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

121, 122
ELEMENTARY CHINESE
MR. SO

Introduction to spoken and written Mandarin Chinese, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. *Four credit hours.*

123, 124
INTERMEDIATE CHINESE
MR. SO

A continuation of Chinese 122, with greater emphasis on written Chinese.
Prerequisite: Chinese 122. *Four credit hours.*

321, 322
ADVANCED CHINESE
MR. SO

Advanced Chinese language, concentrating on writing and speaking.
Prerequisite: Chinese 124 or permission of the instructor. *Three or four credit hours.*

491, 492
INDEPENDENT STUDY
FACULTY

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Permission of the instructor. *Two to four credit hours.*

Classics

Additional courses offered by the classics department are listed separately under Ancient History, Greek, and Latin.

Chairman, PROFESSOR DOROTHY KOONCE
Professors Peter Westervelt and Koonce; *Taylor Lecturer* Nathan Rosenstein.

Students in classics may concentrate in either Greek or Latin literature and civilization or in a combination of both. A wide variety of courses in both fields is provided through the Taylor Lectureship in Classics, which brings a different specialist each year to teach in his or her chosen area of interest. There is also the opportunity to study for a year in Greece or Rome in programs especially designed for American students, as well as occasion for experience in field archaeology through arrangement with other institutions.

Requirements for the major in classics:

Two courses numbered 200 or higher in Greek or Latin. Six additional courses selected from at least two of the following categories: two or more courses numbered 300 or higher in the ancient language elected above; two or more courses in ancient history; two or more courses numbered 200 or higher in the other ancient language; two or more courses elected from Classics 232, Classics 234, Art 311, Philosophy 331, or the equivalent.

The point scale for retention of the major applies to all courses in the department. No requirement for the major may be taken pass/fail.

Requirements for the major in classics-English:

In classics: either three years of Latin in courses numbered 200 or higher or three years of Greek.

In English: six semester courses approved by the departments.

Requirements for the major in classics-philosophy:

In classics: either three years of Latin in courses numbered 200 or higher or three years of Greek, subject to departmental approval.

In philosophy: Philosophy 152; 111 or 211; 331, 332; 491 or 492.

The point scale for retention of each of the above majors applies to all courses that may be credited toward the major. No requirement for the major may be taken pass/fail.

The *classical civilization program* is presented for students with an interest in ancient culture who do not wish to pursue study of the ancient languages. In addition to courses in classical literature in translation, ancient history, art, and philosophy, as listed in the catalogue, special courses in various aspects of antiquity are given each year by the Taylor Lecturer in residence. In recent years, these have included Greek and Roman religion, Greek and Roman archaeology, Byzantine history, mythology, and literary criticism. Courses in the program (not a major) are: Classics 133, 232, 234; Ancient History 151, 154, 252, 352, 353; Art 311; Philosophy 331; Classics 177, 178 and Ancient History 177, 178 (177, 178 is a sequence offered each year by the Taylor Lecturer in residence).

The following are courses in classical literature in translation. These courses require no knowledge of Latin or Greek. Attention is called also to courses in ancient history.

133 GREEK MYTH AND LITERATURE MR. WESTERVELT	Readings will focus on the development of a few well-known myths and will include Homer's <i>Odyssey</i> , selections from the lyric poets, and representative tragedies of Aeschylus, Sophocles, and Euripides. <i>Three or four credit hours.</i>
†[177, 178] TOPICS IN CLASSICS	The offerings vary depending upon the particular field of the Taylor Lecturer. <i>Two or three credit hours.</i>
†[232] GREEK TRAGEDY	The development of tragedy as a dramatic form and its relationship to the contemporary changes in Athenian democracy. Readings will include major plays of Aeschylus, Sophocles, and Euripides, and the parody of tragedy in the <i>Frogs</i> of Aristophanes. <i>Three or four credit hours.</i>
*234 THE HEROIC IDEAL IN EARLY GREEK POETRY MR. WESTERVELT	Particular emphasis on Homer's <i>Iliad</i> and the odes of Pindar, with some attention to modifications of the heroic ideal that appear in Attic tragedy. <i>Three or four credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>One to three credit hours.</i>

Computer Science

IN THE DEPARTMENT OF MATHEMATICS

131d INTRODUCTION TO COMPUTER SCIENCE MR. HOSACK	An introduction to computer science, including the development of algorithms, the syntax and semantics of programming languages, computer systems, data structures, and applications. The associated programming laboratory will develop the ability to translate algorithms into computer programs. <i>Four credit hours.</i>
132 COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE MR. HOSACK	Introduction to computer organization (memory, processors, input/output, virtual machines) and assembly language (data representation, machine instructions, system calls). <i>Prerequisite:</i> Computer Science 131 or permission of the instructor. <i>Three or four credit hours.</i>
231 DATA STRUCTURES AND ALGORITHMS MR. HOSACK	An introduction to the primary data structures and the algorithms that operate on them. Data structures to be studied include arrays, graphs, trees, stacks, and queues. The algorithms include searching, sorting, insertion, deletion, and traversal. <i>Prerequisite:</i> Computer Science 131. <i>Three credit hours.</i>

East Asian Studies

Director, ASSOCIATE PROFESSOR LEE FEIGON

ADVISORY COMMITTEE: *Professors Roger Bowen (Government), Feigon (History), Charles Langley (Modern Foreign Languages), Mutsuko Motoyama (Modern Foreign Languages), and Chung So (Modern Foreign Languages).*

The program of East Asian studies contributes a new dimension to the traditional liberal arts curriculum by exposing the student to rich cultures outside the scope of Western civilization. Study abroad during the junior year is encouraged; see OTHER FOREIGN PROGRAMS section for information about Colby's participation in the Associated Kyoto Program and the CIEE Program in the Peoples' Republic of China, and Colby's exchange agreement with Kansai University of Foreign Studies in Japan. Other foreign study possibilities include Hong Kong and Taiwan.

Requirements for the major in East Asian studies:

A minimum of two years of training in an East Asian language, and 21 additional credit hours obtained from courses in East Asian studies in at least three different disciplines, to include East Asian Studies 151, 152 and at least one seminar or independent study project in the major.

The point scale for retention of the major applies to all courses offered toward the major. No requirement for the major may be taken pass/fail.

Courses in East Asian studies (approved for the major):

CHINESE: 121, 122 Elementary Chinese; 123, 124 Intermediate Chinese; 321, 322 Advanced Chinese; 491, 492 Independent Study.

EAST ASIAN STUDIES: 151, 152 Self, State, and Society in East Asia; 251, 252 Introduction to Chinese Literature; 253 The Literature of the Chinese Revolution; 254 The Classic Chinese Novel; 271, 272 Introduction to Japanese Literature; 491, 492 Independent Study.

GOVERNMENT: 237 Political Development of Modern Japan; 254 Comparative Communism; 271 Asian Revolutionary Movements; 358 Contemporary Japanese Politics; 477 Seminar in East Asian Politics.

HISTORY: 151 East Asian Civilization to 1600; 152 East Asian Civilization from 1600 to the Present; 215 America and Asia: Attitudes and Relationships; 216 The Chinese Revolution; 317 The Introduction of Marxism into China; 318 The People's Republic of China; 457 Seminar in Modern Chinese History.

JAPANESE: 121, 122 Elementary Japanese; 123, 124 Intermediate Japanese; 321, 322 Advanced Japanese; 491, 492 Independent Study.

PHILOSOPHY: 175 The Classical Tradition in Chinese Philosophy; 176

Medieval and Early Modern Chinese Philosophy; 356 Indian Thought; 391, 392 Philosophy Seminar (when appropriate).

RELIGION: 211 Religions of South Asia; 212 Religions of East Asia; 218 Buddhist Story Literature in East Asia; 391, 392 Religion Seminar (when appropriate).

151, 152

SELF, STATE, AND SOCIETY IN
EAST ASIA

MR. FEIGON AND MR. LANGLEY

An introduction to the society and culture of East Asia, focusing on the elite and popular culture of the region as personified by the great historical personalities of China and Japan. Topics in the history, philosophy, religion, language, literature, and government of the area will be discussed. *Four credit hours.*

251, 252

INTRODUCTION TO CHINESE
LITERATURE

MR. LANGLEY

A survey of Chinese literature in translation from ancient times to the present, covering poetry, plays, novels, and prose. *Three credit hours.*

253

THE LITERATURE OF THE
CHINESE REVOLUTION

MR. LANGLEY

A survey of the great body of Chinese literature produced as a result of the revolution and available in translation, with concentration on the novels and short stories of such great revolutionary writers as Lu Xun, Ba Jin, and Ding Ling. *Three credit hours.*

254

THE CLASSIC CHINESE NOVEL

MR. LANGLEY

An introduction to the classic Chinese novel in translation, dealing with such famous epics as *Romance of the Three Kingdoms*, prose masterpieces like *Story of the Stone*, and erotic fantasies such as *Chin Ping Mei*. *Three credit hours.*

271, 272

INTRODUCTION TO JAPANESE
LITERATURE

MS. MOTOYAMA

A survey of Japanese literature in translation from ancient times to the present, covering poetry, plays, novels, and prose. *Three credit hours.*

491, 492

INDEPENDENT STUDY

FACULTY

Individual study of special problems in East Asian civilization, offered in the departments that participate in the program.

Prerequisite: Permission of the instructor and the program director.
One to four credit hours.

Economics

Chairman, PROFESSOR JAMES MEEHAN

Professors Jan Hogendorn, Henry Gemery¹, and Meehan; *Associate Professor* Thomas Tietenberg; *Assistant Professors* Robert Christiansen, Harold Payson², Gregory Christainsen, William O'Neil, and Fred Moseley; *Instructor* Kristin Hallberg.

In addition to dealing with the study of business behavior, consumers, inflation, and unemployment, economic tools find increasing use in other social sciences, with the skills of the economist central to studies of sex, race discrimination, energy, technology, government behavior, environment, the population explosion, crime, and other issues of public and private life. The economics department provides a wide selection of courses with which to help analyze problems arising in these areas. The major prepares the undergraduate with a good background for employment and graduate work in numerous fields, including, in particular, business, law, government, and education.

Requirements for the major in economics:

Economics 131, 132, 233, 234, 391. Either Mathematics 231 or Mathematics 241 or Mathematics 381. One of the senior seminars numbered Economics 431, 493, 494, or Public Policy 493.

Fourteen additional credit hours in elective economics courses, of which six credit hours must be in economics courses numbered 300 or above. Of the 14 additional hours, up to four hours may be satisfied by one of the following: Administrative Science 321 or Computer Science 131d.

Also required is a satisfactory percentile ranking in the Graduate Record Examination in economics.

Students who wish to be recommended for graduate work in economics are urged to elect Economics 394 and 431. A knowledge of mathematics through calculus and statistics is essential.

The point scale for retention of the major applies only to courses in economics, except that Administrative Science 321 or Computer Science 131d will be counted if substituted for courses in advanced economics in fulfilling the major requirement. No requirement for the major may be taken pass/fail.

Requirements for the major in economics-mathematics:

In economics: 131, 132, 233, 234, 391, 394, and three additional semester courses, two of which must be numbered 300 or higher. Also required is a satisfactory percentile rating in the Graduate Record Examination in economics, given in the spring of the senior year.

In mathematics: 221, 222, 381, 382, and two additional courses numbered 300 or higher.

The point scale for retention of the economics-mathematics major applies to all courses offered toward the major. No requirement for the major may be taken pass/fail.

Attention is called to the interdisciplinary program in public policy, and to the honors program (see description under Economics 491, 492).

¹On leave full year.

²Full-time first semester; part-time second semester.

4
3
3
4

<p>131d, 131j PRINCIPLES OF MACROECONOMICS FACULTY</p>	<p>Principles of macroeconomics and their applications to modern economic problems: national product and income accounting, monetary and fiscal policy, inflation, unemployment, and growth. Multisectioned. <i>Three credit hours.</i></p>
<p>132d PRINCIPLES OF MICROECONOMICS FACULTY</p>	<p>Principles of microeconomics and their applications to modern economic problems: prices, markets, monopoly power, income distribution, and problems of the environment. Multisectioned. <i>Three credit hours.</i></p>
<p>[217], 218 SEMINARS: ECONOMIC ANALYSIS AND POLICY MR. MOSELEY</p>	<p>The methods of economic analysis studied in Economics 131, 132 will be applied to various matters of current economic policy. Each section will consider different policy problems, examples of which might include the economics of warfare, welfare, the mystique of growth, law and economics, energy problems, economics of transport and location, poverty and discrimination, the economics of education and medicine, and radical economics, including a critique of “orthodox” economic theory and an extensive reading of the current literature in radical economics. A description of the topics offered by section will be available at registration. <i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i></p>
<p>231 INTRODUCTION TO ENVIRONMENTAL ECONOMICS MR. TIETENBERG</p>	<p>Designed primarily for sophomore majors and nonmajors, this introductory survey course will use economic analysis to explain the underlying behavioral causes of environmental problems and the policy responses to them. Topics covered include air and water pollution, toxic substances, the allocation of exhaustible mineral resources, and the inevitability and desirability of limiting economic growth. <i>Prerequisite:</i> Economics 132. <i>Three or four credit hours.</i></p>
<p>233d MACROECONOMIC THEORY MR. G. CHRISTAINSEN AND MR. R. CHRISTIANSEN</p>	<p>Analysis of the theories of national income determination, the factors affecting employment, and the price level. <i>Prerequisite:</i> Economics 131, 132. <i>Four credit hours.</i></p>
<p>234d MICROECONOMIC THEORY MR. MEEHAN AND MR. O’NEIL</p>	<p>The theory of the pricing, distribution, and allocation of resources in a market economy. Emphasis will be placed on the various meanings of economic efficiency. <i>Prerequisite:</i> Economics 131, 132. <i>Four credit hours.</i></p>

<p>[256] UNIONS, COLLECTIVE BARGAINING, AND PUBLIC POLICY</p>	<p>Structure and behavior of American unions. Development of public policy towards unions and collective bargaining. Impact of unions on relative earnings, unemployment, and inflation. Special topics include the resolution of industrial disputes, discrimination, and unionism in the public sector and white collar occupations.</p> <p><i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i></p>
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<p>†[272] EUROPEAN ECONOMIC HISTORY</p>	<p>The framework of economic analysis applied to European historical patterns and trends. Aspects of industrialization, capital accumulation, technological change, trade and migration, and effects of entrepreneurial and government decisions.</p> <p><i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i></p>
<hr/>	
<p>*274 AMERICAN ECONOMIC HISTORY MR. MOSELEY</p>	<p>The framework of economic analysis applied to American historical patterns and trends. Aspects of industrialization, capital accumulation, technological change, trade and migration, and effects of entrepreneurial and government decisions.</p> <p><i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i></p>
<hr/>	
<p>277 INTERNATIONAL FINANCE MS. HALLBERG</p>	<p>The analysis of international monetary relations. Topics include foreign exchange markets, capital flows, the balance of payments, adjustment to balance of payments disequilibrium, international monetary organizations, and monetary reform.</p> <p><i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i></p>
<hr/>	
<p>278j, †[278] INTERNATIONAL TRADE MR. HOGENDORN</p>	<p>The analysis of international trade. Topics include theories of international trade, the gains from trade, the impact upon factor incomes, commercial policy, commodity agreements and cartels, and international trade organizations.</p> <p><i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i> (January: <i>three credit hours.</i>)</p>
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<p>292d1 COMPARATIVE ECONOMIC SYSTEMS MR. G. CHRISTAINSEN</p>	<p>The basic types of economic systems, with special attention to problems of economic management, planning, and development. Emphasis is on western Europe, Japan, the Soviet Union, and China.</p> <p><i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i></p>
<hr/>	
<p>293 ECONOMIC DEVELOPMENT MR. HOGENDORN</p>	<p>The developing areas and their prospects for economic betterment. Analysis of the techniques involved and the problems to be encountered in the growth process.</p> <p><i>Prerequisite:</i> Economics 131, 132. <i>Three or four credit hours.</i></p>

294
URBAN AND REGIONAL
ECONOMICS
MR. TIETENBERG

Economic forces that shape the size, structure, and growth of cities; an assessment of the nature of urban problems and desirability of alternative solutions. Topics include urban transportation, housing, land use, racial conflict, and the current fiscal crisis.

Prerequisite: Economics 131, 132. *Three or four credit hours.*

313d2
TOPICS IN LAW AND
ECONOMICS
MR. TIETENBERG

A seminar examining the common law and the legal system from the point of view of economic theory. The focus is on the effect of the legal system on allocation of resources, both as a substitute for and a complement to the market system. Specific topics to be examined include: the definition and allocation of property rights, the assignment of liability for accidents and defective products, and the effects on the criminal justice system of plea bargaining and the bail system. Research paper required; may be done for fourth credit or as Economics 391.

Prerequisite: Economics 234. *Three or four credit hours.*

[314]
ECONOMICS OF POPULATION

Application of economic analysis to the study of the size and characteristics of human populations; interrelation between economic and population growth in lesser-developed and developed countries; analysis of marital and fertility patterns in the United States, with emphasis on the changing economic role of women; related public policy issues, such as welfare reform, sexual discrimination, and education.

Prerequisite: Economics 234. *Three or four credit hours.*

331
INDUSTRIAL ORGANIZATION AND
ANTITRUST ECONOMICS
MR. MEEHAN

An examination of the structure, conduct, and performance of American industries to determine if the market process efficiently allocates resources to meet consumer demand. An economic analysis of the antitrust laws and an evaluation of their performances. Reference will be made to specific industries and cases.

Prerequisite: Economics 234. *Three or four credit hours.*

332
REGULATED INDUSTRIES
MR. MEEHAN

An examination of specific regulated markets and the rationale for regulation in each. The economic effects of regulation on price, cost of production, and quality of product or service will be explored. The success of regulation will be evaluated relative to the market outcome that would be expected in the absence of regulation. Research paper required; may be done for fourth credit or as Economics 391.

Prerequisite: Economics 234. *Three or four credit hours.*

†[336]
MATHEMATICAL ECONOMICS

An examination of selected topics in economic theory using higher mathematics, e.g., advanced calculus, linear algebra, and set theory. Topics will include the development of portions of consumer and firm behavior and the study of dynamic models from macro theory, growth theory, and international finance, including stability conditions.

Prerequisite: Economics 233 or 234 and Mathematics 221, or permission of the instructor. *Three or four credit hours.*

<p>338d1 MONEY, BANKING, AND MONETARY POLICY MR. R. CHRISTIANSEN</p>	<p>Monetary theory and the banking system of the United States, including problems of money and prices, proper organization and functioning of commercial banking and Federal Reserve systems, monetary standards, and credit control. Analysis, description, and evaluation of monetary policies and their administration. Recent monetary and banking trends. Criteria for appraising monetary performance. <i>Prerequisite:</i> Economics 233. <i>Three or four credit hours.</i></p>
<p>351 PUBLIC FINANCE MR. O'NEIL</p>	<p>Economics of the public sector. Topics include trends in and theories of government spending, externalities, voting mechanisms, social security, welfare programs, tax structure, and tax reform. <i>Prerequisite:</i> Economics 234. <i>Three or four credit hours.</i></p>
<p>†[352] FISCAL POLICY</p>	<p>The effects of fiscal policy on resource allocation, economic growth, inflation, unemployment, and the public debt. Theory and development of fiscal policy in a federal system. <i>Prerequisite:</i> Economics 233. <i>Three or four credit hours.</i></p>
<p>355 LABOR MARKET ECONOMICS MR. G. CHRISTIANSEN</p>	<p>Wage determination and allocation of human resources in union and nonunion labor markets. Theories of labor supply, labor demand, and human capital investment. Related public policy issues, such as minimum wage laws, income maintenance, and discrimination. Impact of collective bargaining. Inflation, unemployment, and macroeconomic policy. <i>Prerequisite:</i> Economics 234. <i>Three or four credit hours.</i></p>
<p>*379d2 SEMINAR IN ENVIRONMENTAL ECONOMICS MR. O'NEIL</p>	<p>Current theoretical and empirical contributions to the field of environmental economics. Topics include economic incentives for environmental improvement, environmental control and economic growth, the theory of depletable resources, and the effects of environmental control on the new international economic order. <i>Prerequisite:</i> Economics 234. <i>Three or four credit hours.</i></p>
<p>391d ANALYTICAL RESEARCH PAPER IN ECONOMICS FACULTY</p>	<p>An analytical, not descriptive, research paper in economics, to be coordinated with an economics course numbered above 250 in which the student is concurrently enrolled. Required of all economics majors. <i>Prerequisite:</i> Permission of the instructor. <i>One credit hour.</i></p>
<p>394 ECONOMETRICS MS. HALLBERG</p>	<p>Introduction to applied econometrics. Parameter estimation, inference, and hypothesis testing. Problems of designing econometric models. Research paper required; may be done for fourth credit or as Economics 391.</p>

Prerequisite: Either Economics 233 or 234; either Mathematics 241 or 381. *Three or four credit hours.*

431
HISTORY OF ECONOMIC
THOUGHT
MR. MOSELEY

An examination and appraisal of the development of economic theory. Major writing from the mercantilist period through the Keynesian is included. Extensive use of source material.

Prerequisite: Economics 233, 234 and senior standing. *Three or four credit hours.*

491, 492
INDEPENDENT STUDY
FACULTY

Independent study devoted to a topic chosen by the student with the approval of the department. Students may be invited by the department to prepare a thesis in the second term, successful completion and defense of which will result in the degree being awarded "With Honors in Economics."

Prerequisite: Senior standing as economics major. *One to four credit hours.*

494d, 494j
SENIOR SEMINAR
MR. G. CHRISTAINSEN,
MR. R. CHRISTIANSEN, AND
MR. TIETENBERG

A seminar addressed to topics in public policy analysis, interdisciplinary issues, or research. Topics considered will change each semester; a complete description will be published before registration.

Prerequisite: Senior standing as economics major. *Three credit hours.*

Education

Chairman, PROFESSOR HAROLD JACOBSON

Professor Jacobson; Assistant Professor Marilyn Mavrincac¹.

Colby offers an interdepartmental program of courses and field experiences approved by the Interstate Certification Project to meet the minimal requirements for secondary-school teacher certification in the fields of English, social studies, science, mathematics, Latin, American studies, environmental studies, and modern foreign languages. For those students interested in early-childhood, elementary, special-subject, special-education, or adult-education certification, the sophomore and junior courses may be taken at Colby, and the balance of the program completed elsewhere. Preparation for teaching in private secondary schools is offered.

Program of studies:

Sophomore year: Education 213, and 251 or 253 or 254; Psychology 255, 256. *Junior year:* Education 336, and 351 or 353 or 354. *Senior year:* Education 431, 432, 433, and full-time teaching during January.

(English 411 or Modern Foreign Languages 411 is required of students who desire to teach those subjects.)

Career guidance and counseling services are available from Professor Jacobson, 203 Eustis.

Second-semester freshmen and students planning to be away during their junior year should consult Professor Jacobson to plan their education curriculum.

¹Part-time.

<p>213 SOCIOLOGY OF EDUCATION MR. JACOBSON</p>	<p>The transformation of the American school since 1890. Prerequisite to Education 431. See also Education 253 and Sociology 237. <i>Prerequisite:</i> A cumulative grade point average of 2.5 or higher. <i>Three credit hours.</i></p>
<p>251j PRACTICUM IN ELEMENTARY SCHOOL MRS. MAVRINAC</p>	<p>Five days per week to be served as an assistant teacher in an elementary school, helping children to learn and working with cooperating teacher(s) and support personnel. Each student will maintain a journal, prepare sample lesson plans, and write a critical evaluation paper. Nongraded. <i>Prerequisite:</i> Permission of the instructor and successful completion of one of the courses in the education certification sequence. Praxis. <i>Three credit hours.</i></p>
<p>253, 254 PRACTICUM IN ELEMENTARY SCHOOL MRS. MAVRINAC</p>	<p>Five hours weekly to be served as an assistant teacher in a local elementary school; written exercises and evaluations via individual and group projects. Education 251, 253, or 254 prerequisite to Education 431. Nongraded. <i>Prerequisite:</i> Permission of the instructor. Praxis. <i>Two or three credit hours.</i></p>
<p>255d CHILD DEVELOPMENT MR. ZOHNER</p>	<p>Listed as Psychology 255 (q.v.). See also Education 253, 254. <i>Three credit hours.</i></p>
<p>256 ADOLESCENT AND ADULT DEVELOPMENT MR. ZOHNER</p>	<p>Listed as Psychology 256 (q.v.). Prerequisite to Education 431. See also Education 254. <i>Three credit hours.</i></p>
<p>273, 274 PRACTICUM IN PRESCHOOL MRS. MAVRINAC</p>	<p>Five hours weekly to be served as an assistant teacher in a preschool setting; written exercises and evaluations via individual and group projects. Nongraded. <i>Prerequisite:</i> Permission of the instructor. Praxis. <i>Two or three credit hours.</i></p>

294 COMPARATIVE HISTORY OF WOMEN'S EDUCATION MRS. MAVRINAC	Comparative study of educational opportunities for women in secondary- and university-level institutions. Common readings and individual projects will form the basis of discussions. Social roles of men and women will be explored as background to more specialized topics. Short course. <i>Two credit hours.</i>
*333 PHILOSOPHY OF EDUCATION MR. HUDSON	Listed as Philosophy 333 (q.v.). Prerequisite to Education 431. See also Education 353. <i>Three or four credit hours.</i>
336 HISTORY OF THE AMERICAN SCHOOL TO 1890 MR. JACOBSON	The origins and evolution of the American school and its role in transmitting culture across the generations. Emphasis is on the common school, the academy, and the public high school, with a brief study of the college and the university to 1890. Prerequisite to Education 431. See also Education 353, 354. <i>Three credit hours.</i>
351j PRACTICUM IN JUNIOR HIGH SCHOOL MRS. MAVRINAC	Five days per week to be served as an associate teacher in a junior high school, helping adolescents to learn and working with cooperating teacher(s) and support personnel. Each student will maintain a journal, prepare sample lesson plans, and write a critical evaluation paper. Nongraded. <i>Prerequisite:</i> Permission of the instructor and successful completion of one of the courses in the education certification sequence. Praxis. <i>Three credit hours.</i>
352 PSYCHOLOGY OF EXCEPTIONAL CHILDREN MR. ZOHNER	Listed as Psychology 352 (q.v.). See also Education 373, 374. <i>Prerequisite:</i> Psychology 255. <i>Three credit hours.</i>
353, 354 PRACTICUM IN JUNIOR HIGH SCHOOL MRS. MAVRINAC	Five hours weekly to be served as an associate teacher in a local junior high school; written exercises and evaluations via individual and group projects. Education 351, 353, or 354 prerequisite to Education 431. Nongraded. <i>Prerequisite:</i> A major commonly taught in secondary school, and permission of the instructor. Praxis. <i>Two or three credit hours.</i>
373, 374 PRACTICUM IN SPECIAL EDUCATION MRS. MAVRINAC	Five hours weekly to be served as an assistant teacher in special education at an area facility; written exercises and evaluations via individual and group projects. Nongraded. See also Psychology 352. <i>Prerequisite:</i> Permission of the instructor. Praxis. <i>Two or three credit hours.</i>

<p>411 THE TEACHING OF ENGLISH OR MODERN FOREIGN LANGUAGES FACULTY</p>	<p>Listed as English 411 or Modern Foreign Languages 411 (q.v.). Required of majors who desire the secondary-school teaching certificate. <i>Three credit hours.</i></p>
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<p>431 STUDENT TEACHING: THEORY MR. JACOBSON</p>	<p>The secondary-school curriculum, general teaching methods, and instructional materials. Full-time teaching required in January. Required for certification. See also Education 433. Nongraded. Augmented credit of one hour based on addition of curriculum research and development project.</p> <p><i>Prerequisite:</i> A B or higher average in a major commonly taught in secondary school, and in certification courses, and permission of the chairperson in the major and in education. <i>Two or three credit hours.</i></p>
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<p>432 ADVANCED STUDENT TEACHING: THEORY MR. JACOBSON</p>	<p>Advanced topics in the study of the secondary-school curriculum, general teaching methods, and instructional materials, varied to meet the needs of the individual student. Required for certification. See also Education 434. Nongraded. Augmented credit of one hour based on addition of individualized education program.</p> <p><i>Prerequisite:</i> Successful completion of Education 435j. Permission of the instructor. <i>Two or three credit hours.</i></p>
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<p>433 STUDENT TEACHING: PRACTICUM MR. JACOBSON</p>	<p>Six hours weekly to be served as a student teacher in a local secondary school plus media workshop; written directed exercises and evaluations via individual and group assignments. Required for certification. Nongraded.</p> <p><i>Prerequisite:</i> Concurrent enrollment in Education 431 and permission of the instructor. <i>Three credit hours.</i></p>
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<p>434 ADVANCED STUDENT TEACHING: PRACTICUM MR. JACOBSON</p>	<p>Six hours weekly to be served as a student teacher in a local secondary school; written directed exercises and evaluations via individual and group assignments. Nongraded.</p> <p><i>Prerequisite:</i> Concurrent enrollment in Education 432 and permission of the instructor. <i>Three credit hours.</i></p>
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<p>435j STUDENT TEACHING: PRACTICUM MR. JACOBSON</p>	<p>Five days per week to be served as a student teacher in a secondary school, helping adolescents to learn and working with cooperating teacher(s) and support personnel. The student teacher is expected to assume full responsibility for teaching three classes daily, including planning and presenting unit and daily lesson plans, and testing and evaluating student performance. Required for certification. Nongraded.</p> <p><i>Prerequisite:</i> Education 431 and 433 and permission of the instructor. <i>Four credit hours.</i></p>
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473, 474

PRACTICUM IN ADULT
EDUCATION

MRS. MAVRINAC

Five hours weekly to be served as an assistant teacher in a local adult education program; written exercises and evaluations via individual and group projects. Nongraded.

Prerequisite: Permission of the instructor. Praxis. *Two or three credit hours.*

491, 492

INDEPENDENT STUDY
FACULTY

Independent study of advanced topics and areas of individual interest.

Prerequisite: Permission of the instructor. *One to three credit hours.*

English

English 152 is prerequisite to all higher numbered literature courses.

Chairman, PROFESSOR PATRICK BRANCACCIO

Professors Mark Benbow, John Sutherland, Douglas Archibald⁴, Eileen Curran, Colin MacKay, Brancaccio, Charles Bassett¹, Howard Koonce, John Mizner, Edwin Kenney, and John Sweney; Associate Professors Ira Sadoff³ and Dianne Sadoff²; Assistant Professors Susan Kenney⁴, Peter Harris, Phyllis Mannocchi, Natalie Harris, and Deborah McDowell; Lecturers Patricia Onion⁴, Richard Sewell⁴, Jean Sanborn⁴, Leanne Star⁴, Robert Gillespie⁴, Linda Tatelbaum⁴, and Eric Rolfson⁴; Instructor Nicholas Azzaretti⁴.

The English department offers literature courses in all the periods, genres, and major authors, as well as seminars in particular topics and broad literary and historical issues. There is a creative writing program in both fiction and poetry at the introductory, intermediate, and advanced levels. The department also sponsors special-topic courses and supervises about 50 independent-study projects each year. Committed to interdisciplinary studies, the department encourages team-taught courses with colleagues in chemistry, government, history, philosophy, sociology, and other departments. English is one of the most useful preprofessional majors for those who want to attend graduate schools of law, medicine, and business, as well as for those seeking jobs in commerce, industry, and government. Some majors become college or school teachers; some go into related work, such as journalism, library science, or publishing.

Requirements for the major in English and American literature:

English 221, 222, 251, and eight courses numbered 300 or higher; English 252 may be substituted for one of the eight. At least three of these must be courses in which the major focus is upon literature written before 1800, and at least three must be courses in which the major focus is upon literature written after 1800.

The point scale for retention of the major applies to all English courses that may be used to fulfill major requirements. No requirement for the major may be taken pass/fail.

Students planning to continue the study of English in graduate school should confer with their advisers to be sure that they have planned a substantial and adequate curriculum. They should be proficient in at least one foreign language. Most universities require two languages, and some require a classical language as well. Work in classical or foreign literature, history, philosophy, art, music, and some of the social sciences reinforces preparation in the major and enhances one's chances of success in graduate study.

The department encourages interdepartmental and interdisciplinary studies, and supports programs in American studies, black studies, women's studies, and performing arts.

¹On leave second semester.

²Part-time second semester.

³On leave first semester.

⁴Part-time.

111, [112]
ENGLISH FUNDAMENTALS
MRS. SANBORN

Tutorial aid and intensive drill in the fundamentals of written English for those whose native language is not English or whose training in English is limited. Nongraded.

Prerequisite: Recommendation of the department. A student may be passed to English 115 at the end of any term of English 111 or 112. *One to three credit hours.*

115d
ENGLISH COMPOSITION
FACULTY

Frequent practice in expository writing to foster clarity of organization and expression in the development of ideas. The assigned reading will vary from section to section, but all sections will discuss student writing. Required for freshmen unless exempted. *Three credit hours.*

152d, 152j
INTRODUCTION TO LITERATURE
FACULTY

Poetry, prose, and drama from different times and cultures. Topics and texts will vary from section to section, but all sections will emphasize close reading, detailed analysis of imaginative literature, and careful critical writing.

Prerequisite: English 115 or exemption. *Three credit hours.*

211
CREATIVE WRITING
MS. SADOFF

Introduction to the writing of poetry and fiction, with emphasis on student manuscripts. Enrollment limited.

Prerequisite: English 115 or exemption. *Three credit hours.*

212
CREATIVE WRITING: POETRY
INSTRUCTOR

Introduction to the writing of poetry, with emphasis on student manuscripts. Enrollment limited.

Prerequisite: English 115. *Three credit hours.*

214 CREATIVE WRITING: FICTION MRS. KENNEY	Introduction to the writing of fiction, with emphasis on student manuscripts. Enrollment limited. <i>Prerequisite:</i> English 115. <i>Three credit hours.</i>
215d2 EXPOSITORY WRITING WORKSHOPS MISS CURRAN	Workshops for students wishing to improve their ability to write. Student papers will be presented for workshop criticism so that they may be revised. Focus will be on problems of development and rhetorical structure. Enrollment limited. May be repeated for additional credit. <i>Prerequisite:</i> English 115. <i>Three credit hours.</i>
[216] EXPOSITORY WRITING WORKSHOPS	Workshops for students wishing to improve their ability to write on topics studied in other courses. Student papers will be presented for workshop criticism so that they may be revised. Focus on problems of stylistic consistency and force. May be repeated for additional credit. <i>Prerequisite:</i> English 115. <i>Three credit hours.</i>
221, 222 MAJOR BRITISH WRITERS FACULTY	An introduction to British literature, with emphasis on detailed analysis and comparative readings, and some attention to the various methods of inquiry and attempts at understanding. 221: <i>Beowulf</i> through Milton. 222: Dryden to the beginnings of the modern movement. <i>Three credit hours.</i>
251, 251j MAJOR AMERICAN WRITERS I MR. SWENEY AND MR. BRANCACCIO	An introduction to American literature—the Puritans to the Civil War—with emphasis on detailed analysis and comparative readings, and some attention to the various methods of inquiry and attempts at understanding. In January: poetry and prose of the period will be explored through the techniques of drama—readings, improvisations, body movement, scenic analysis, and performance. Format will be away from lecture and discussion and toward the participatory spirit of the performance group. <i>Three credit hours.</i>
252 MAJOR AMERICAN WRITERS II MR. ARCHIBALD, MS. MACDOWELL, AND MS. ONION	An introduction to American literature—the Civil War to the modern period—with emphasis on detailed analysis and comparative readings, and some attention to the various methods of inquiry and attempts at understanding. <i>Three credit hours.</i>
[275] THE ART OF THE NARRATIVE FILM	The elements of structure, characterization, imagery, and style as they contribute to the awareness of meaning and to aesthetic response in various classic examples of filmmaking. <i>Three credit hours.</i>
†[276] DANTE IN TRANSLATION	The <i>Vita Nuova</i> and the <i>Divine Comedy</i> , drawing upon the philosophy, theology, art, and literature of the period. No knowledge of Italian required. <i>Three or four credit hours.</i>

†[278] ITALIAN FICTION AND FILM	The fall of fascism and postwar Italy as interpreted by Italian writers and filmmakers. Readings in translation will be drawn from the works of Levi, Silone, Pavese, Vittorini, Lampedusa, and Calvino. Films will include work of Rossellini, de Sica, Fellini, Visconti, Antonioni, and others. <i>Three credit hours.</i>
†[317] INTERMEDIATE FICTION WORKSHOP	Practice in the writing of short stories, with major emphasis on student manuscripts. <i>Prerequisite:</i> English 217 or 218 or permission of the instructor. <i>Three credit hours.</i>
318d1 INTERMEDIATE POETRY WORKSHOP MR. HARRIS	Practice in the writing of poetry, with major emphasis on student manuscripts. <i>Prerequisite:</i> English 217 or 218 or permission of the instructor. <i>Three credit hours.</i>
†[331] THE MIDDLE AGES	The development of western European literature in the context of medieval intellectual and cultural history. Major English and continental works from such genres as epic, romance, allegory, and lyric will be studied from a comparative point of view. <i>Three credit hours.</i>
*332 POETRY OF THE LATER RENAISSANCE MR. BENBOW	An intensive study of selected poets, including Shakespeare, Donne, Jonson, Herbert, and Marvell. <i>Prerequisite:</i> English 221. <i>Three credit hours.</i>
[333] RENAISSANCE DRAMA	A study of the drama of the sixteenth and early seventeenth centuries as a developing art form and a major vehicle for communicating the intellectual currents of the English Renaissance. Among the playwrights studied will be Lily, Kyd, Marlowe, Tourneur, Middleton, Jonson, and Webster, excluding Shakespeare. <i>Three or four credit hours.</i>
†[334] RESTORATION LITERATURE	The prose, poetry, and drama of 1660-1700, with special emphasis on the works of John Dryden. <i>Three or four credit hours.</i>
†[335] THE ROMANTIC PERIOD I	The poetry and criticism of Wordsworth, Coleridge, and Keats, designed to explore the political, conceptual, and imaginative coherence of romanticism. <i>Three credit hours.</i>
336 THE ROMANTIC PERIOD II MR. MIZNER	Byron and the Byronic hero. <i>Three credit hours.</i>

†[337] MODERN BRITISH LITERATURE	The origins, nature, and achievements of the modern movement in England and Ireland. <i>Three credit hours.</i>
339d2 MODERN BRITISH FICTION MR. KENNEY	Representative British novels of the twentieth century by such writers as Conrad, Ford, Lawrence, Woolf, Forster, Waugh, Greene, and Lessing. <i>Three credit hours.</i>
*351d2 THE AMERICAN RENAISSANCE I MR. BRANCACCIO	The major works of Poe, Hawthorne, and Melville. <i>Three credit hours.</i>
†[352] THE AMERICAN RENAISSANCE II	The major works of Emerson, Thoreau, and Whitman. <i>Three credit hours.</i>
353 AMERICAN REALISM AND NATURALISM MR. KENNEY	Major works by Twain, Howells, James, Crane, and others in the context of both American and European traditions of the novel, and critical theories of the art and purpose of fiction. <i>Three credit hours.</i>
355 BLACK AMERICAN LITERATURE MS. MCDOWELL	The major writing of black Americans, with emphasis on the fiction and poetry of the twentieth century. <i>Three credit hours.</i>
356 MODERN AMERICAN FICTION MR. HARRIS	Analysis of major works of American fiction since 1920—by Dos Passos, Faulkner, Hemingway, Fitzgerald, Ellison, Bellow, O'Connor, Styron, and Doctorow—emphasizing the pattern of experience of the protagonist in conflict with the modern world. <i>Three credit hours.</i>
357 AMERICAN POETRY MS. HARRIS	An analysis of the works of major American poets of the nineteenth and twentieth centuries, including Whitman, Dickinson, Frost, Pound, Eliot, and Stevens. <i>Three credit hours.</i>
358 CONTEMPORARY AMERICAN POETRY MR. SADOFF	American poetry since 1960: a study of influences (the rise of internationalism, the return to forms, historical and political consciousness), aesthetic documents, and representative volumes of poetry—the deep-image and surrealist schools, the New York School, the new formalists, the political and ethnic poets, including Ashbery, Rich, Strand, Wright, Gluck, and others. <i>Three credit hours.</i>
[359] EARLY AMERICAN AUTHORS	Selected prose and poetry from the Puritan period, the Age of Reason, and the preromantic movement in American literature. <i>Three credit hours.</i>

371 THE AGE OF POPE AND SWIFT MR. SUTHERLAND	Selected works by Defoe, Addison, Gay, Swift, Pope, Fielding, and other major British writers of the first half of the eighteenth century. <i>Three or four credit hours.</i>
372 FROM JOHNSON THROUGH BLAKE MR. SWENEY	Selected works by Johnson, Burke, Boswell, Sterne, Gray, Blake, and other major British writers of the second half of the eighteenth century. <i>Three or four credit hours.</i>
†[373] THE DEVELOPMENT OF DRAMATIC ART I	Discussion of typical plays of the Western world in the context of conditions and conventions of performance from Greek and Roman times through the Middle Ages and the early Renaissance. <i>Three credit hours.</i>
†[374] THE DEVELOPMENT OF DRAMATIC ART II	A sequel to English 373, from the later Renaissance through the neoclassic and romantic periods to the beginnings of realism in the nineteenth century. There will be a brief collateral examination of the theater of the Orient. <i>Three credit hours.</i>
*375 MODERN DRAMA I MR. KOONCE	Discussion of typical plays of Europe and America in the context of conditions and conventions of performance, emphasizing the works of Ibsen, Chekhov, and Strindberg. <i>Three credit hours.</i>
*376 MODERN DRAMA II MR. KOONCE	A sequel to English 375, emphasizing plays of the contemporary American and French theaters. The concepts of modern theater theoreticians and practitioners like Antonin Artaud and Jerzy Grotowski will be examined collaterally. <i>Three credit hours.</i>
377 VICTORIAN LITERATURE I MISS CURRAN	The Victorian world as seen by a few of its writers. Emphasis will be on Dickens, Thackeray, Tennyson, and Arnold, with brief supplementary readings. <i>Three credit hours.</i>
378 VICTORIAN LITERATURE II MISS CURRAN	"The Individual in Victorian Literature." Emphasis will be on the dramatic monologue (Robert Browning), autobiography (J. S. Mill), and the novel (Emily Brontë, George Eliot, and Thomas Hardy). <i>Three credit hours.</i>
379d2 BLAKE MR. SUTHERLAND	Close reading of a wide selection of Blake's illuminated poems. Facsimiles and slides will be used in order to emphasize visual aspects of Blake's work. <i>Three or four credit hours.</i>
383, 384 STUDIES IN SHAKESPEARE MR. BENBOW	Selected plays, with special attention to the intellectual background and to Shakespeare's development as a dramatist. <i>Prerequisite:</i> English 221 or permission of the instructor. <i>Three credit hours.</i>

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- 391
THE AGE OF CHAUCER
MR. MACKAY
- A brief survey of the popular literature of the late fourteenth century (lyrics, ballads, cycle plays, romances) as background for a study of Chaucer's major works—selected *Canterbury Tales*, the *Book of the Duchess*, the *Parliament of Fowls*, and *Troilus and Criseyde*. *Three credit hours.*
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- *392d1
SIDNEY AND SPENSER
MS. MANNOCCI
- The major works of these two Elizabethan authors, including Sidney's *Astrophel and Stella*, *An Apology for Poetry*, and selections from *The Arcadia*, and Spenser's *Shepherd's Calendar* and selections from *The Faerie Queene*. Readings will also be drawn from the poetry of Petrarca, Ariosto, Wyatt, and Surrey in an attempt to suggest the Renaissance background of Sidney and Spenser. *Three credit hours.*
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- *394
MILTON
MR. KOONCE
- The poetry and major prose of John Milton. *Three credit hours.*
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- 397Aj
CLASSICS OF CHILDREN'S
LITERATURE: FROM FAIRY
TALE TO FANTASY
MRS. KENNEY
- Readings in some of the best-known works of fairy tale literature (Grimm, Perrault) as a historical background to the close readings of nineteenth- and twentieth-century English and American fantasies for adults and children, such as *Peter Pan*; *The Wizard of Oz*; *The Princess and the Goblin*; *The Lion, the Witch, and the Wardrobe*; *The Hobbit*; *The Wind in the Willows*; *Alice in Wonderland*; *A Wrinkle in Time*; *The Last Unicorn*. *Three credit hours.*
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- 397Bj
FAULKNER: THE MAJOR WORKS
MR. KENNEY
- The major works of what has been called Faulkner's "time of genius" (1929-36), including *Sartoris*, *The Sound and the Fury*, *Light in August*, and *Absalom, Absalom!* Some consideration of Faulkner's short stories, letters, and speeches. *Three credit hours.*
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- †[411]
THE TEACHING OF ENGLISH
- A weekly seminar integrated with field experience in education and with practice teaching. Active participation as well as research in methods of teaching English, including literature, writing, grammar, speech. Some consideration of broader professional issues. The instructor will occasionally visit students' classes, and the students will discuss together problems that arise in their day-to-day teaching. Nongraded.
- Prerequisite:* Concurrent enrollment in Education 431 or permission of the instructor. *Three credit hours.*
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- 417d2
ADVANCED POETRY WORKSHOP
MR. SADOFF
- Practice in the writing of poetry, with major emphasis on student manuscripts. May be repeated once for additional credit.
- Prerequisite:* English 317 or 318 or permission of the instructor. *Three credit hours.*

<p>418 ADVANCED FICTION WORKSHOP MR. SADOFF</p>	<p>Practice in the writing of short stories and longer fiction, with major emphasis on student manuscripts. May be repeated once for additional credit. <i>Prerequisite:</i> English 317 or 318 or permission of the instructor. <i>Three credit hours.</i></p>
<p>431 LITERARY CRITICISM MS. SADOFF</p>	<p>An examination of various schools of contemporary critical theory, including new criticism, psychoanalysis, reader-response, Marxism, feminism, structuralism, and poststructuralism. Application of these theories to literary texts by writers such as Kafka, Faulkner, Conrad, Coleridge, and Donne. <i>Three or four credit hours.</i></p>
<p>432 HISTORY OF THE ENGLISH LANGUAGE MR. MACKAY</p>	<p>A brief study of the mechanism of speech—primarily to explain the connections between western European Romance and Germanic languages—followed by an examination of the major historical, social, literary, and linguistic reasons for changes in the sound, grammar, spelling, inflection, syntax, and vocabulary of the language from the Anglo-Saxon period to modern American English. <i>Three or four credit hours.</i></p>
<p>*436 AFRICAN PROSE MR. BRANCACCIO</p>	<p>Fiction and autobiography dealing with such themes as African traditional culture and the coming of colonialism, the struggle for independence and the problems of development, and the reactions of Africans to the United States. Readings will be restricted to the works of authors writing in English, such as Chinua Achebe, Ezekiel Mphahlele, Peter Abrahams, James Ngugi, Stamlake Samkange, and Bessie Head. <i>Three credit hours.</i></p>
<p>437 THE LITERATURE OF EXISTENTIALISM MR. MIZNER</p>	<p>Though emphasizing the novels and plays of Sartre and Camus, this course also includes works by Dostoevsky, Tolstoy, Melville, Conrad, Beckett, Ionesco, Pinter, Abé, and Percy. Students enrolled for four credits will do fewer written assignments if they produce one of the plays studied. <i>Three or four credit hours.</i></p>
<p>[472] ORAL INTERPRETATION</p>	<p>Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY FACULTY</p>	<p>Individual projects exploring topics for which the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Consent of a project adviser and permission of the chairman. <i>One to four credit hours.</i></p>

493, 494
SEMINARS IN BRITISH AND
AMERICAN LITERATURE
FACULTY

Topics will change each semester, and a complete description of each section will be published before registration. *Three or four credit hours.*

Field Experience

-95, -96
FIELD EXPERIENCE

Noncurricular experience with direct, demonstrated relationship to the student's curricular program. Nongraded, credit or no entry, unless otherwise approved.

Prerequisite: Approval of department or program committee prior to beginning project. Praxis. *One to six credit hours.*

French

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

Unless otherwise specified, all courses numbered above 124 are conducted in French. French 142 or permission of the instructor is required for all courses numbered 200 or higher. Courses numbered 500 and above are given in the Colby in Caen program.

Professors Jean Bundy and Guy Filosof; Associate Professors Charles Ferguson and Jonathan Weiss; Assistant Professors Arthur Greenspan¹, Jane Moss, John Westlie, and Camille Laparra.

Achievement test: If a student offers a foreign language for entrance credit and wishes to continue it in college, that student must either have taken the CEEB achievement test in the language or take the placement test during freshman orientation.

The following statements apply to the major in French:

- (1) The point scale for retention of the major is based on all French courses beyond the intermediate level.
- (2) No major requirements may be taken pass/fail.
- (3) No more than the equivalent of four semester courses of transfer credit may be counted toward the major.
- (4) All majors in the department must take at least one course in the major, approved by the major adviser, each semester until graduation. For students returning from foreign study, these courses must be numbered 300 or higher.

(5) Courses numbered 499 may not be counted toward the major.

Requirements for the major in French:

French 221, 222, and 231 normally taken in the sophomore year and at least five additional courses numbered above 222, not including 234 or 297. Of these, at least two must focus on literature written prior to the nineteenth century and two on literature of the nineteenth and twentieth centuries. Majors are expected to achieve proficiency in oral and written French, and this proficiency will normally be demonstrated by successful completion of French 231. French 235, 272, and 351, while counting toward the major, may not be substituted for the century courses in French literature. Students who begin their study of French at Colby with French 123 may substitute approved courses taken in Caen for French 221-222.

French majors are encouraged to apply for admission to the Colby junior year abroad program in Caen and to be aware of the French component of interdisciplinary programs in performing arts, women's studies, and regional and Canadian studies.

Teacher certification: Students desiring certification for teaching French must take Modern Foreign Languages 411, and may in some cases be required to take other specified courses.

¹Resident director, University of Caen, full year.

[115]
PRACTICAL PHONETICS

Phonetic analysis and transcription, using the international phonetic alphabet as applicable to French. Taped and printed exercises will focus on individual handicaps. The goal of the course is correct oral interpretation of a prose text in French. Enrollment limited to 10. Does not satisfy the college language requirement. Nongraded.

Prerequisite: Concurrent enrollment in any-level French course or previous training equivalent to one year of college French; preference given to the former. *Two credit hours.*

121, 122
ELEMENTARY FRENCH
MR. WESTLIE AND OTHERS

Introduction to the language with emphasis on audio-lingual skills. Presentation of dialogue materials supplemented with visual aids. Use of taped materials in the language laboratory is a regular part of class work. Multisectioned. *Four credit hours.*

123, 124j, 124
INTERMEDIATE FRENCH
MR. WEISS AND OTHERS

An intermediate course emphasizing reading for direct comprehension, aural and oral skills, grammar, and vocabulary building. Materials used include literary works by Sartre and Camus, as well as full-length feature films. Multisectioned.

Prerequisite: Appropriate score on the CEEB French achievement test or successful completion of French 122. *Four credit hours.*

131d
CONVERSATION AND
COMPOSITION
MR. FERGUSON

Intensive practice in the development of oral skills, with some additional work in written composition. Enrollment limited.
Prerequisite: A grade of at least *B* in French 124 or a score of 60 on the CEEB French achievement test. *Three credit hours.*

141, 142
INTRODUCTION TO FRENCH
LITERATURE
FACULTY

Introduction to the reading of French literature using selected prose, poetry, and theater. Emphasis on reading, discussion, and composition.
Prerequisite: French 124 or appropriate CEEB score. Qualified students may be admitted to the second semester without the first. *Four credit hours.*

221, 222
MAJOR FRENCH AUTHORS
MR. WEISS, MR. BUNDY

The evolution of French literature and thought from the sixteenth century to the present. Included among the authors read are: first semester—Montaigne, Pascal, Corneille, Voltaire, and Rousseau; second semester—Stendhal, Anouilh, Camus, and Sartre. Non-French majors may choose to write papers and examinations in English.
Prerequisite: French 142 or permission of the instructor. *Four credit hours.*

231
GRAMMAR AND COMPOSITION
MR. WESTLIE

An advanced language course intended for majors and others wishing to do further work in French. Required of students who seek admission to Colby in Caen. Intensive grammar review and frequent practice in writing French.
Prerequisite: French 131, 141 or 142. *Three credit hours.*

232
INTRODUCTION TO FRENCH
CULTURE
MR. WESTLIE

A course designed for students who will participate in the Colby in Caen program but open to other qualified students as well. Major aspects of contemporary French life and culture, with continuing practice in improving oral and written language skills.
Prerequisite: French 231 or permission of the instructor. *Three credit hours.*

234
INTENSIVE SPOKEN FRENCH
MR. WESTLIE

Weekly practice in oral French, designed for potential participants in the Colby in Caen program. Drill sessions and conversation groups will be conducted by French exchange students and returning seniors under the direction of a faculty member. Nongraded.
Prerequisite: Acceptance into the Colby in Caen program and concurrent enrollment in French 232. *One credit hour.*

†[235]
QUÉBEC IN TRANSITION

The evolution of French Canada based on both literary and nonliterary texts, tracing the transition of French Canadian society from its rural beginnings to the modern, cosmopolitan province of Québec. Focus

will be on events from World War II to the present, and topics will include nationalism, migration to New England, the language question, terrorism, and the Parti Québécois. Offered alternately in English and in French. *Three or four credit hours.*

<p>[272] FRENCH FILM IN ENGLISH</p>	<p>A historical overview of French cinema as technology, as industry, and as art; an introduction to the technique of filmmaking; and the close analysis of selected works representative of the principal schools of film and filmmaking. All films have English subtitles. Qualified students may earn an extra credit by writing papers and examinations in French, and by attending an additional meeting per week conducted in French. Does not satisfy the college language requirement. <i>Three or four credit hours.</i></p>
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<p>335 SEVENTEENTH-CENTURY FRENCH THEATER MR. FILOSOFF</p>	<p>The classical theater: Corneille, Racine, and Molière. Non-French majors may choose to write papers and examinations in English. <i>Prerequisite:</i> A 200-level French course. <i>Three or four credit hours.</i></p>
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<p>336 EIGHTEENTH-CENTURY FRENCH LITERATURE MR. BUNDY</p>	<p>The literary climate of the Enlightenment: theater of Marivaux and Beaumarchais; novels of Montesquieu, Voltaire, and Diderot. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i></p>
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<p>[351] FRENCH CANADIAN LITERATURE</p>	<p>Analysis of important literary works from Québec and Acadia, focusing on problems of cultural identity, language, and the French-English conflict as seen in contemporary fiction. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i></p>
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<p>357 NINETEENTH-CENTURY FRENCH POETRY MR. BUNDY</p>	<p>Baudelaire and the symbolist poets: Mallarmé, Verlaine, and Rimbaud. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i></p>
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<p>†[358] NINETEENTH-CENTURY FRENCH LITERATURE</p>	<p>A study of romanticism, realism, and naturalism through detailed analysis of selected works by the major nineteenth-century novelists. Stendhal, Balzac, Flaubert, Zola, and other authors will be studied. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i></p>
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<p>†[375] THE FRENCH NOVEL OF THE TWENTIETH CENTURY</p>	<p>Selected novels by major twentieth-century French authors, including Proust, Gide, Bernanos, Sartre, Malraux, and Robbe-Grillet. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i></p>

<p>[376] MODERN FRENCH DRAMA</p>	<p>The development of French theater from the middle of the twentieth century to the present. Within the context of this course, theater means performance as well as dramatic literature, and methods of analysis will include dramatic reading, the study of theatrical theories, and creative <i>mise-en-scènes</i>. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i></p>
<p>378 FRENCH LITERATURE AND SOCIETY IN THE TWENTIETH CENTURY MR. WEISS</p>	<p>A multidisciplinary course exploring some major problems in contemporary French society, using both literary and nonliterary sources. Non-French majors may choose to write papers and examinations in English. <i>Three or four credit hours.</i></p>
<p>412 ADVANCED COMPOSITION MR. FERGUSON</p>	<p>Regular <i>thèmes</i>, <i>versions</i>, and compositions in French. Development of active vocabulary and ability to discern features of style in various authors. Introduction to examples of French prose from the Renaissance to the present. <i>Prerequisite:</i> French 231 or permission of the instructor. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY FACULTY</p>	<p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i></p>
<p>493 SEMINAR IN FRENCH LITERATURE MRS. MOSS</p>	<p>Major nineteenth- and twentieth-century French and French Canadian women authors, including Georges Sand, Colette, Simone de Beauvoir, Marguerite Duras, Monique Wittig, Laure Conan, Gabrielle Roy, Marie-Claire Blais, and others. Topics will include the role of women in society, the autobiographical element in women's novels, feminism, and <i>L'écriture féminine</i>. Non-French majors may choose to write papers and examinations in English. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i></p>
<p>494 SEMINAR IN FRENCH LITERATURE MS. LAPARRA</p>	<p>A study of Balzac's major novels. <i>Three credit hours.</i></p>
<p>499d LANGUAGE TEACHING FACULTY</p>	<p>Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Nongraded. <i>Prerequisite:</i> Permission of both instructors. Praxis. <i>One or two credit hours.</i></p>

531, 532 TWENTIETH-CENTURY LITERATURE FACULTY	Selected works by major twentieth-century French authors, including Anouilh, Queneau, St.-Exupéry, and Sartre. Offered in Caen. <i>Three credit hours.</i>
541, 542 POETICS FACULTY	Analysis of the structure and styles of poetry; second semester is dedicated mainly to twentieth-century poets. Offered in Caen. <i>Three credit hours.</i>
543, 544 STYLISTICS MR. GREENSPAN	Intensive study of advanced French grammar and vocabulary; analysis of various styles of writing, using articles and passages from French literature. <i>Explications de texte.</i> Offered in Caen. <i>Three credit hours.</i>
545, 546 ROMANTICISM AND REALISM FACULTY	Study of trends in nineteenth-century French literature, through selected works by Rousseau, Balzac, Chateaubriand, and Stendhal. Offered in Caen. <i>Three credit hours.</i>

Geology

Chairman, PROFESSOR DONALD ALLEN

Professor Allen; Associate Professor Harold Pestana; Assistant Professor Robert Nelson.

If one is interested in our planet—how it developed its present characteristics and what may happen to it in the future, where we came from and what supports us on the planet, our resources and their use—geology is a central area of study. The geology department features an unusually fine rock and mineral collection for study, an excellent small-college library, various geophysical instruments, and access to the college's new transmission and scanning electron microscopes. The setting of the college also provides an intriguing area for field study. Students are encouraged to work on independent projects and to develop ways of actively examining and interpreting observational data.

The department offers three major programs for students with different interests. For each option, at least one independent January program is required to be taken in the major during the junior or senior year. The point scale for retention of the major applies to all courses taken in the major. No requirement may be taken pass/fail.

Requirements for the basic major in geology:

Geology 141, 142, 215, 232, 251, 311 (or 312), 323 or 371, 381, 382,

452; at least three hours of 491 or 492; one year of college mathematics; and Chemistry 141, 142.

Requirements for the major in geology-biology:

In geology: 141, 142; 215, 311 (or 312); six additional credit hours numbered 200 or higher. The geology department's Bermuda Semester may be elected by geology-biology majors.

In biology: 121, 122, 271; 12 additional credit hours.

Other courses: Chemistry 141, 142; Mathematics 121 and one additional mathematics course numbered above 121. Physics 121, 122 is recommended.

A comprehensive examination is to be passed in the senior year in either geology or biology.

The point scale for retention of the major applies to all courses in geology and biology.

Requirements for the major in geology-chemistry:

In geology: beginning in the sophomore year, 215, 241, 242, 381, 382.

In chemistry: 141, 142, 331, 332, 341, 342; Physics 121, 122; Mathematics 121, 122.

A comprehensive examination in either chemistry or geology must be passed in the senior year.

Students should consult one of the major advisers regarding election of languages and other required courses in the freshman and sophomore years.

The point scale for retention of the major applies to all courses in geology and chemistry.

The *earth science option* is offered for students planning to teach in the secondary schools; the requirements are: Geology 141, 142, 215, 251, 292, 311 (or 312), 323, 324, 381; Chemistry 141.

The *environmental science option* is designed to provide students with a core of geology courses supplemented by related courses from other departments. The requirements are: Geology 141, 142, 215, 311 (or 312), 483 or 484; Biology 121, 122, 271; Chemistry 141, 142, 217 (or any of the following: 241, 242, 331, 332); Mathematics 121, 241 or 381; Physics 112 or 121; Economics 131, 132, 231; Sociology 232. Other related courses include: Biology 311; 314, 315, 316, 318, 332, 352, 354, 356, 358; Geology 172 (or 176), 241, 242, 292, 323, 324, 371; Mathematics 122, 242, 382; Physics 122; Economics 293, 294, 314.

The *Bermuda Semester*. Majors may earn 12 credit hours in field study of coral reefs and carbonate environments. Geology 176, 312, and 314 are offered biennially by Colby faculty using the facilities of the Bermuda Biological Station.

Students planning professional careers in geology should remember that graduate schools will require for admission a summer field course or its equivalent, at least one year in physics and biology, and, fre-

quently, additional mathematics; and that candidates for the doctorate must demonstrate a reading knowledge of two foreign languages.

<p>141, 142 INTRODUCTION TO GEOLOGICAL SCIENCE MR. NELSON</p>	<p>The physical and biological evolution of the earth, with emphasis on mechanisms and processes; laboratory and field sessions. Enrollment limited to three laboratory sections of 25 to 30 students; recommended for those planning to major in geology or environmental studies. Lecture and laboratory. May not be taken for credit in addition to Geology 161, 162. <i>Four credit hours.</i></p>
<p>[161, 162] PROBLEMS IN GEOLOGY</p>	<p>Selected topics related to a central theme of geologic time. Most of the topics involve laboratory work in the gathering and interpretation of geological data. Designed for nonmajors. Satisfies the laboratory science distribution requirement. Enrollment limited. May not be taken for credit in addition to Geology 141, 142. <i>Three credit hours.</i></p>
<p>*172 OCEANOGRAPHY MR. PESTANA</p>	<p>A descriptive introduction to physical, dynamical, and biological oceanography. Topics will include: the structure and composition of the ocean and its floor; tides, currents, and other important dynamic features; the nature of ocean life. The value of the oceans for food and physical resources will be discussed. Lecture. <i>Three credit hours.</i></p>
<p>†[176] OCEANOGRAPHY</p>	<p>Similar to Geology 172 but taught at the Bermuda Biological Station. Students cannot receive credit for Geology 172 and 176. Lecture. <i>Three credit hours.</i></p>
<p>215 MINERALOGY MR. ALLEN</p>	<p>Physical properties and chemical structure of minerals leading to investigation of the chemical composition and optical properties of minerals. Lecture and laboratory. <i>Prerequisite:</i> Geology 141, and Chemistry 141 (may be taken concurrently) or permission of the instructor. <i>Four credit hours.</i></p>
<p>232 STRUCTURAL GEOLOGY MR. ALLEN</p>	<p>Mechanical deformation of rocks, microfabrics, primary structures, structural associations with plate tectonics. Formerly listed as Geology 242. <i>Prerequisite:</i> Geology 142. <i>Four credit hours.</i></p>
<p>†[233] FIELD METHODS</p>	<p>Surface and subsurface mapping methods applied to geologic problems. Formerly listed as Geology 241. <i>Prerequisite:</i> Geology 232 or permission of the instructor. <i>Four credit hours.</i></p>
<p>251 INVERTEBRATE PALEONTOLOGY MR. PESTANA</p>	<p>Morphology of invertebrates and general principles, including nomenclature, taxonomy, paleoecology, evolution, correlation, and techniques of identification. Lecture and laboratory.</p>

Prerequisite: Geology 142 or 161 or one year of biology. *Four credit hours.*

252
MICROPALAEONTOLOGY
MR. PESTANA

A laboratory course covering one or more of the major microfossil groups. Emphasis will be on identification, age determination, and environmental interpretation.

Prerequisite: Geology 251 or permission of the instructor. *One to four credit hours.*

254
ADVANCED INVERTEBRATE
PALEONTOLOGY
MR. PESTANA

A laboratory course involving a detailed investigation of one or more invertebrate groups. Emphasis will be on identification, age determination, and environmental interpretation.

Prerequisite: Geology 251 or permission of the instructor. *One to four credit hours.*

258j
FIELD GEOLOGY
MR. ALLEN

A course of studies to be conducted off campus in a region whose climate permits field study of geologic features. Emphasis will be placed on development of fundamental concepts, analysis of field data, field identification of lithotypes, basic mapping techniques, and recognition of geomorphic features and their genetic significance. Grades will be based on field notes, reports, and maps submitted following independent projects, which will be conducted periodically over the duration of the course. 1983: Mohave Desert area.

Prerequisite: Geology 141 and permission of the instructor. *Two or three credit hours.*

†[292]
METEOROLOGY

Physical properties of the atmosphere, the origin and classification of weather types, air mass analysis and principles of prediction, and meteorology of air quality. Does not satisfy the science requirement. Lecture. *Two credit hours.*

311
SEDIMENTATION
MR. PESTANA

Processes of sedimentation, methods of analysis of sediments, the description and interpretation of environments of deposition, and the classification and description of sedimentary rocks. Lecture and laboratory.

Prerequisite: Geology 142 and 215. *Four credit hours.*

†[312]
SEDIMENTATION AND
CARBONATE SEDIMENTS

Sedimentary processes, environments of deposition, and the classification and description of sedimentary rocks. Emphasis will be on carbonate sediments and the biological aspects of sedimentation. Taught at the Bermuda Biological Station. Students cannot receive credit for Geology 311 and 312. Lecture and laboratory.

Prerequisite: Geology 142 and 215. *Four credit hours.*

†[314] FIELD STUDY IN BERMUDA	Field and laboratory study of selected topics dealing with coral reefs, carbonate sediments, or other aspects of the Bermuda environment. <i>Corequisite:</i> Geology 176 and 312. <i>Five credit hours.</i>
[323, 324] MAP INTERPRETATION AND GEOMORPHOLOGY OF THE UNITED STATES	Origin, history, and classification of landforms, based on study of topographic maps of the United States, leading to an analysis of the structure and geologic history of the geomorphic provinces of the United States. Lecture and laboratory. <i>Prerequisite:</i> Geology 142. <i>Four credit hours.</i>
358 GEOLOGICAL FIELD STUDY FACULTY	A spring-recess field trip to a selected area. Students must cover expenses. <i>Prerequisite:</i> Permission of the instructor. <i>One credit hour.</i>
*371 GLACIAL GEOLOGY MR. NELSON	The origin and development of glaciers, with special attention to the Pleistocene of New England. An extended field-mapping problem will be assigned. Lecture and laboratory. <i>Prerequisite:</i> Geology 142. <i>Four credit hours.</i>
374 ORE DEPOSITS MR. ALLEN	An investigation of the genesis and localization of ore deposits. Topics may include the history of mineral deposits, materials, and formation of ore deposits, supergene sulfide enrichment, paragenesis and zoning, epigenetic versus syngenetic deposits, magmatic segregation deposits and mineral deposits related to regional tectonic environments. <i>Prerequisite:</i> Geology 215 and Chemistry 141. <i>Three credit hours.</i>
381, 382 OPTICAL MINERALOGY; IGNEOUS AND METAMORPHIC PETROLOGY MR. ALLEN	First semester: determination of mineral composition and properties by means of petrographic microscope and emission spectrograph. Second semester: hand-specimen and thin-section examination of igneous and metamorphic rocks to determine structure, composition, and origin. Lecture and laboratory. <i>Prerequisite:</i> Geology 215. <i>Four credit hours.</i>
452 STRATIGRAPHY MR. PESTANA	Principles of stratigraphy. Includes a study of the relationships and correlation of sedimentary rocks. Laboratories include work with index fossils and a detailed analysis and correlation of well samples. Lecture and laboratory. <i>Prerequisite:</i> Geology 251 and 311. <i>Four credit hours.</i>
483, 484 ENVIRONMENTAL GEOLOGY INSTRUCTOR	Selected topics dealing with environmental quality. Extensive individual investigation. <i>Prerequisite:</i> Permission of the instructor. <i>Three or four credit hours.</i>

491, 492
INDEPENDENT STUDY
FACULTY

Field and laboratory problems in geology or environmental problems, with regular reports and a final written report.

Prerequisite: Permission of the instructor. *One to four credit hours.*

German

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

Unless otherwise specified, all courses numbered above 124 are conducted in German. German 142 or permission of the instructor is required for all higher-numbered German courses.

Associate Professors Hubert Kueter and James McIntyre¹; Assistant Professors John Reynolds and Merle Krueger.

Achievement test: If a student offers a foreign language for entrance credit and wishes to continue it in college, that student must either have taken the CEEB achievement test in the language or take the placement test during freshman orientation.

The following statements apply to the major in German:

- (1) The point scale for retention of the major is based on all German courses beyond the intermediate level.
- (2) No major requirements may be taken pass/fail.
- (3) No more than the equivalent of four semester courses of foreign study or transfer credit may be counted toward the major.
- (4) All majors in the department must take at least one course in the major, approved by the major adviser, each semester until graduation. For students returning from foreign study, these courses must be numbered 300 or higher.
- (5) Courses numbered 499 may not be counted toward the major.

Requirements for the major in German:

Eight semester courses numbered above German 124.

Teacher certification: Students desiring certification for teaching German must take Modern Foreign Languages 411, and may in some cases be required to take other specified courses.

¹On leave full year.

121, 122
ELEMENTARY GERMAN
FACULTY

Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. Multi-sectioned. *Four credit hours.*

123, 124 INTERMEDIATE GERMAN FACULTY	Continued practice in the oral-aural skills; increasing emphasis on reading and writing through use of modern prose and poetry. These studies, and the review of grammar, are supplemented with drill work in the laboratory. Multisectioned. <i>Prerequisite:</i> Appropriate score on the CEEB German achievement test or German 122 (for 123) or German 123 (for 124). <i>Four credit hours.</i>
†[132] CONVERSATION AND COMPOSITION	Language review, with emphasis on oral expression, written composition, and vocabulary development. <i>Prerequisite:</i> German 124 or permission of the instructor. <i>Three credit hours.</i>
135j INTERMEDIATE GERMAN FOR SPECIALIZED COMMUNICATIONS INSTRUCTOR	Continued practice in the oral-aural skills, with emphasis on the specialized vocabulary and phraseology needed for communication in the areas of business and economics. Study of appropriate readings from current journals and newspapers will be used as the basis for oral and written practice and a review of grammar. Cannot be counted toward the German major. <i>Prerequisite:</i> Appropriate score on the CEEB German achievement test or successful completion of German 123 or above. <i>Four credit hours.</i>
141, 142 MASTERPIECES OF GERMAN LITERATURE MR. KUETER	Introduction to German literature through readings of selected masterpieces illustrative of a major literary genre. First semester: the novelle; second semester: modern drama. <i>Prerequisite:</i> German 124 or equivalent. <i>Three credit hours.</i>
197 FORTSETZUNG: DEUTSCH MR. REYNOLDS	Designed for students with majors other than German who want to maintain proficiency in German. Practice in conversational skills, review of grammar, and vocabulary building. Students completing the course may take a special examination leading to a certificate of proficiency in German. Cannot be counted toward the German major. <i>Prerequisite:</i> German 124 or equivalent background in German. <i>One credit hour.</i>
[223, 224] GERMAN CULTURAL TRADITIONS	A chronological survey of German history from the rise of the barbarian tribes to the fall of Hitler will serve as the background for a discussion of current trends in the German-speaking countries of Europe. Separate sections in German and English. <i>Prerequisite:</i> German 124 for students desiring credit toward a German major. No prerequisite for section in English. <i>Three credit hours.</i>
232 ADVANCED GERMAN MR. REYNOLDS	A review of German grammar at the advanced level, with directed themes and free compositions. <i>Prerequisite:</i> German 131 or 141. <i>Three credit hours.</i>

345, [346]
THE GDR: 1949 TO THE
PRESENT
INSTRUCTOR

Representative literary texts in the context of their historical perspective will be used to introduce and analyze the phenomenon of *Kulturpolitik*.
Prerequisite: Successful completion of a German course numbered above 124. *Four credit hours.*

†[353]
TOPICS IN EIGHTEENTH-
CENTURY GERMAN LITERATURE

Literature of the classical period: Lessing, Goethe, and Schiller. *Four credit hours.*

*355
TOPICS IN NINETEENTH-
CENTURY GERMAN LITERATURE
MR. REYNOLDS

The German romantic movement. *Four credit hours.*

*358
TOPICS IN TWENTIETH-
CENTURY GERMAN LITERATURE
MR. KRUEGER

German literature after 1890. *Four credit hours.*

491, 492
INDEPENDENT STUDY
FACULTY

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Permission of the instructor. *Two to four credit hours.*

†[493, 494]
SEMINAR IN GERMAN
LITERATURE

Topics, which change each semester, may cover an author, a genre, or a literary movement. *Four credit hours.*

499d
LANGUAGE TEACHING
FACULTY

Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Nongraded.
Prerequisite: Permission of both instructors. Praxis. *One or two credit hours.*

Government

Chairman, ASSOCIATE PROFESSOR SANDY MAISEL
*Professors Albert Mavrillac, Guenter Weissberg, and William Cotter*¹; *Associate Professors Maisel, Charles Hauss, and Calvin Mackenzie; Assistant Professor Roger Bowen.*

The department of government offers a wide-ranging program that includes courses in the subfields of American government and politics, comparative government and politics, transnational politics, and political theory and analysis. The departmental goals include exposing students to the discipline of political science and to the study of a variety of governments. Internships are encouraged so that students can experience the practical as well as the more theoretical aspects of the field. In addition, for students who intend to pursue the study of government further, the department offers an honors program that emphasizes substantial independent research under the close guidance of one or two faculty members.

Requirements for the major in government:

Ten semester courses in government, to include at least one at the 400 level, and normally including Government 111 and 112. These courses must be distributed over the four fields of the department's work according to specific rules established by the department and available from the department chairman.

Majors in government may apply during their junior year for selection for admission to the department honors program. On successful completion of the work of the honors program and of the major, their graduation from the college will be noted as being "With Honors in Government."

The point scale for retention of the major applies to all courses in government. No government courses may be taken pass/fail by government majors.

Attention is called to the interdisciplinary program in public policy.

¹Part-time first semester only.

111
INTRODUCTION TO AMERICAN
GOVERNMENT AND POLITICS
FACULTY

An examination of the ideas and values that underlie the American political system, and of their contemporary manifestations in institutions, processes, and policies. Coordinated lectures presented by several members of the government faculty in their areas of specialization. Open to freshmen and, by departmental permission, to others majoring in government. *Four credit hours.*

112
COMPARATIVE POLITICS: AN
INTRODUCTION TO POLITICS
OUTSIDE THE UNITED STATES
FACULTY

An analysis, through case studies, of the major dimensions of domestic and transnational politics in Western democracies, Communist countries, and the Third and Fourth worlds. Coordinated lectures presented by several members of the government faculty in their areas of specialization; discussion sections headed by individual faculty members. Open to freshmen and, by departmental permission, to others majoring in government. *Four credit hours.*

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- 132
CONFLICT RESOLUTION
MR. WEISSBERG
- This course will begin by dealing with the theoretical aspects of conflict resolution in the domestic and international spheres. Subsequently, it will be turned into the United Nations Security Council as constituted at the present time. Each student will assume the role of an ambassador to the United Nations and represent his or her country's position in relation to a hypothetical case. Open to freshmen only. *Three credit hours.*
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- 153j
ISRAELI POLITICS AND
THE MIDDLE EAST
MR. MAISEL
- Students will attend 13 lectures by professors at the Hebrew University and will participate with Hebrew University students in 13 seminars led by Professor Maisel. Reading assignments and a final paper are required. *Three credit hours.*
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- †[211]
THE AMERICAN SYSTEM AND
THE SHAPING OF THE MODERN
POLITY
- An integration of the empirical study of American government and politics with the study of classical and modern theories of politics. The empirical focus is on current features of the American national decision-making structure and process; simultaneously the theoretical base of this structure and process is analyzed by studying key thinkers in the Western tradition, including Plato, Aristotle, Aquinas, Calvin, Hobbes, Rousseau, Hegel, and Marx. Frequent comparison is made between American decision-making systems and those of other constitutional societies. *Four credit hours.*
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- 215
TRANSNATIONAL RELATIONS IN
THE MODERN WORLD
MR. WEISSBERG
- The basic actors, theories, and systematic elements of international politics and their relationship in the fluidity of the modern world. Emphasis is placed on the search for a structure of international security, and on such subjects as transnational power politics (including the role both of traditional states and of contemporary nonstate movements), comparative conceptions of diplomacy and war as instruments of goal achievement, and institutions of collective security. Intended both for students planning further study in transnational relations and for those who will not have other occasion in college to study the shape of the international system. *Three credit hours.*
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- 234
EUROPEAN POLITICS
MR. HAUSS
- An introduction to comparative political analysis and to the politics of Great Britain, France, Italy, and the Federal Republic of Germany. Familiarity with material covered in Government 112 is assumed. Enrollment preference given to majors in government. *Four credit hours.*
-
- 237
POLITICAL DEVELOPMENT IN
MODERN JAPAN
MR. BOWEN
- The political, cultural, historical, and economic dynamics of Japan's drive to modernize since the 1868 Meiji Restoration. Special attention will be given to the ongoing conflict between the proponents of liberal democracy and those favoring an oligarchic, authoritarian govern-

mental system. Throughout the study, we will seek to locate the roots of Japanese democracy and militarism. *Three or four credit hours.*

254d1 COMPARATIVE COMMUNISM MR. HAUSS	An analysis of the politics of the Communist world. Particular attention will be given to an understanding of the similarities and differences between the Union of Soviet Socialist Republics and the People's Republic of China. <i>Three or four credit hours.</i>
271 ASIAN REVOLUTIONARY MOVEMENTS MR. BOWEN	An examination of revolutionary political change in India, China, and Vietnam. The social forces making for revolution, the characteristics of revolutionary leadership, and the problems of mobilization and organization in revolutionary struggles. <i>Three or four credit hours.</i>
*273 THE AMERICAN CONGRESS MR. MAISEL	The organization, powers, and actions of the legislative branch of the American government examined in historical and contemporary perspective. Formerly listed as Government 374. <i>Three or four credit hours.</i>
274 THE AMERICAN PRESIDENCY MR. MACKENZIE	The organization, powers, and actions of the executive branch of the American government examined in historical and contemporary perspective. Formerly listed as Government 373. <i>Three or four credit hours.</i>
295j INTERNSHIP FACULTY	Month-long internships in offices such as those of attorneys, congressmen, senators, and state legislators. Praxis. <i>Three credit hours.</i>
311j INTRODUCTION TO SOCIAL SCIENCE METHODS MR. HAUSS	An introduction to the theories, concepts, and strategies used in research in political science. The philosophy of social science, research design and execution, elementary statistical analysis, and computer usage. Enrollment limited to 25. <i>Prerequisite:</i> Government 111 and 112 or permission of the instructor. <i>Four credit hours.</i>
314d1 AMERICAN CONSTITUTIONAL LAW MR. MAVRINAC	The United States Supreme Court and constitutional litigation as part of the American political process. <i>Four credit hours.</i>
†[316] AMERICAN POLITICAL THOUGHT	Some of the principal expressions of political values and conceptions of political structure and process as they have appeared in the course of American history. A familiarity with material covered in Government 321, 322 is assumed. <i>Three credit hours.</i>
317 THE POLICY-MAKING PROCESS MR. MACKENZIE	An examination of the policy-making process, including such topics as agenda setting, program formulation, consensus building, implementation, and the use and misuse of policy analysis. Special attention to

methods and techniques of policy evaluation. Primary focus on policy making at the national level in the United States government. Enrollment limited to 35. *Three or four credit hours.*

319
LAW AND SOCIAL CHANGE
MR. COTTER

An examination of the respective roles of the courts, the legislature, and the executive in declaring law and resolving disputes. The legal "case method" will be used to focus on the judicial process as it has dealt with problems of slavery and racial equality in the United States, and to a lesser extent, South Africa. The Socratic method of teaching will be used, and regular class participation is required of all students. Enrollment limited. *Three credit hours.*

321, 322
POLITICAL THEORY
MR. MAVRINAC

Some of the principal Western approaches to the nature of the political order, with emphasis on the historical delineation of the fundamentals of constitutional theory. *Three or four credit hours.*

331
COLLOQUIUM ON
TRANSNATIONAL ISSUES
MR. WEISSBERG

Transnational issues with domestic implications, and domestic problems with a substantial transnational impact. Topics will include the Third United Nations Conference on the Law of the Sea, human rights, the New International Economic Order, the political and legal aspects of terrorism, and third-party settlement. A substantial paper is required.

Prerequisite: Permission of the instructor. *Four credit hours.*

332
POLITICAL DEVELOPMENT IN
THE THIRD WORLD
MR. BOWEN

The process of political change and modernization in the Third World. The course will include an introduction to contemporary theories of political development, followed by an examination of the problems of integration, leadership, and stability in new nations. *Three or four credit hours.*

[333]
TOTALITARIAN GOVERNMENT
AND POLITICS

The ideological framework, organization, operation, and evolution of such political institutions as those of the Communist world, Nazi Germany, and Fascist Italy, with major attention given to the USSR. *Three credit hours.*

[336]
INTERNATIONAL ORGANIZATION

The structure, politics, and current operation of international organizations within the nation-state system, with particular emphasis on the United Nations. *Three credit hours.*

338
INTERNATIONAL LAW
MR. WEISSBERG

The body of rules and principles of behavior that govern states and other transnational actors in their relations with each other, as illustrated in cases and texts. *Three credit hours.*

<p>353 COMPARATIVE POLITICAL PARTIES MR. HAUSS</p>	<p>The variety of parties and party systems in the world today. Special emphasis will be given to the declining importance of parties. In years in which Government 356 is not offered, special attention will be given to the American party system. Enrollment limited to 25. <i>Three or four credit hours.</i></p>
<p>†[356] PARTIES AND THE ELECTORAL PROCESS</p>	<p>An analysis of partisan politics and elections in the United States, emphasizing the role of parties, and dealing with candidates, their staffs, the electorate, and the media. Formerly listed as Government 256. <i>Three or four credit hours.</i></p>
<p>[357] DEMOCRACY IN DIVIDED SOCIETIES</p>	<p>The development of the modern democratic state, focusing on those deeply divided countries that have had the most trouble sustaining liberal democracy. The origins of the modern state, the divisions that have plagued countries like France, Italy, Spain, and the Netherlands, and the various ways these countries have tried to overcome their divisions. <i>Three or four credit hours.</i></p>
<p>358 CONTEMPORARY JAPANESE POLITICS MR. BOWEN</p>	<p>A survey of the political process in postwar Japan, with emphasis on some of the major institutions of political life. Japan is considered as a political system comparable to those of other industrial democracies, in spite of marked differences in social and cultural values. <i>Three or four credit hours.</i></p>
<p>375j THE COMMITTEE SYSTEM IN THE UNITED STATES CONGRESS MR. MAISEL</p>	<p>An examination of the process through which Congressional committees make decisions in the modern House of Representatives. During the first part of the course professional political science literature on committee performance will be read. The second part of the course will follow a specific piece of legislation through the appropriate committee in a concentrated simulation. <i>Three credit hours.</i></p>
<p>[377] SPECIAL PROBLEMS IN LOCAL GOVERNMENT</p>	<p>Problems vary from year to year, but the general orientation is to a theoretical consideration of the local government process as a part of the general political process in a society. Generally, the constitutional society is the point of reference, and the comparative experience of America, England, and France is emphasized. From time to time, consideration is given to the analogous problem in the totalitarian society. <i>Three credit hours.</i></p>
<p>*392 THE ADMINISTRATIVE PROCESS MR. MACKENZIE</p>	<p>The people and agencies responsible for the implementation of public policy in the United States. Emphasis on the character of bureaucratic decision-making, government organization and reorganization, public personnel systems, and administrative politics. Enrollment limited to 35. <i>Three credit hours.</i></p>

[393]
STATE AND LOCAL
GOVERNMENT

The evolution of the federal system, with particular emphasis on current intergovernmental programs together with a comparative analysis of state and local governments, their organizational patterns and political climates. *Three credit hours.*

394
PRE-HONORS WORKSHOP
FACULTY

Preparation of honors project proposal; methodological and preliminary substantive studies in a selected honors area. Terms of admission to the honors program and to this course available from the department chairman.

Prerequisite: Junior standing as a government major and permission of the department. *Three credit hours.*

403, 403j, 404
HONORS WORKSHOP
FACULTY

Individual and group meetings of seniors and faculty participating in government honors program.

Prerequisite: Permission of the department. *Nine credit hours for the year.*

412
COLLOQUIUM ON POLITICAL
THEORY AND CONSTITUTIONAL
LAW
MR. MAVRINAC

The evolution of political theory and of decision-making structures and processes in modern constitutional societies. The relationship of political theory to evolving doctrines of constitutional law in the United States and such other modern societies as England, France, and West Germany. Enrollment limited.

Prerequisite: Permission of the instructor. *Four credit hours.*

413d2
SEMINAR IN COMPARATIVE
POLITICS
MR. HAUSS

Research seminar on the politics of advanced industrialized democracies. In 1983: social and economic policy in western Europe and North America. Enrollment limited to 15. *Four credit hours.*

†[416]
WESTERN INTERVENTION IN THE
NON-WESTERN WORLD

Geopolitical, historical, ideological, and economic forces affecting Western involvement in the political and economic affairs of Third World nation-states. Case studies will include post-World War II instances of intervention and their impact on subsequent efforts at indigenous political development. An attempt will be made to isolate systematically the causes and different forms of intervention before trying to develop a theory of this phenomenon. *Three or four credit hours.*

417j
ART AND POLITICS
MR. MAVRINAC

A seminar inquiring into art forms as media for the expression of political values. Among others, architecture, music, painting, and sculpture will be considered, but not literary forms. *Three credit hours.*

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- 432
SEMINAR ON EXECUTIVE
LEADERSHIP IN THE FEDERAL
GOVERNMENT
MR. MACKENZIE
- A research seminar examining such topics as executive selection, techniques of public management, personnel administration, policy formulation, and public liaison.
Prerequisite: Government 274 or 392. *Three or four credit hours.*
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- [433], 434
SEMINAR IN AMERICAN
NATIONAL GOVERNMENT AND
POLITICS
MR. MAISEL
- An intensive examination of a specific topic in national political life; topics will vary from year to year.
Prerequisite: Permission of the instructor. *Three or four credit hours.*
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- [436]
AMERICAN POLITICS SEMINAR:
VOTING BEHAVIOR
- An intensive examination of the social and psychological determinants of voting behavior. *Three credit hours.*
-
- [438]
SEMINAR IN POLICY ANALYSIS
- An intensive study of selected public policy issues. Consideration will be given first to the manner in which public policies are analyzed, and then to the application of evaluative techniques to specific areas of government decision-making. *Three credit hours.*
-
- 457
SEMINAR ON THE FOREIGN
POLICY OF THE UNITED STATES
MR. WEISSBERG
- The formulation, objectives, and execution of United States foreign policy, with particular emphasis on the post-World War II period. Conducted in the form of the United States Senate Committee on Foreign Relations as presently constituted.
Prerequisite: Government 215 or equivalent or permission of the instructor. *Three or four credit hours.*
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- 458
SEMINAR ON THE UNITED
NATIONS
MR. WEISSBERG
- Conducted in the form of a political or judicial organ of the United Nations. Case studies will be presented and analyzed, each participant assuming the role of a representative of the nation-state that is involved in the dispute.
Prerequisite: Permission of the instructor. *Three or four credit hours.*
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- 477
SEMINAR IN EAST ASIAN
POLITICS
MR. BOWEN
- Fall 1982: "Japanese Fascism in Comparative Perspective." A focus on the demise of Japanese democracy in the 1930's and the rise of Japanese fascism, studied comparatively with similar developments in Germany and Italy. The empirical basis of the course will be augmented by a study of democratic and fascist theories, most particularly the relationship between liberal democracy and fascist ideologies in a nationalistic context. *Four credit hours.*

491, 492

INDEPENDENT STUDY
FACULTY

A study of government through individual projects.

Prerequisite: Government major and permission of the department chairman and instructor. *One to four credit hours.*

Greek

IN THE DEPARTMENT OF CLASSICS

111, 111j

INTRODUCTORY GREEK
MRS. KOONCEIntroduction to Homeric Greek. *Four credit hours.*

112

INTERMEDIATE GREEK
MRS. KOONCEReadings in Homer's *Iliad*. *Four credit hours.*

131

INTRODUCTION TO GREEK
LITERATURE
MR. WESTERVELTThe *Odyssey* of Homer. Successful completion of this course fulfills the college language requirement.*Prerequisite:* Greek 112. *Three credit hours.*

232

ATTIC PROSE
MRS. KOONCEPlato: *Apology, Crito, Euthyphro*. *Three or four credit hours.*

*254

ATTIC POETRY
MR. WESTERVELTEuripides. *Three or four credit hours.*

[351]

GREEK LITERATURE

Thucydides. *Three or four credit hours.*

†[352]

GREEK LITERATURE

Sophocles. *Three or four credit hours.*

[353]

GREEK LITERATURE

Demosthenes. *Three or four credit hours.*

†[355]

GREEK LITERATURE

Herodotus. *Three or four credit hours.*

356d1 GREEK LITERATURE MRS. KOONCE	Plato. <i>Three or four credit hours.</i>
[414] SEMINAR	Aristophanes. <i>Three or four credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	Reading in a field of the student's interest, with essays and conferences. <i>One to three credit hours.</i>
493 SEMINAR MR. WESTERVELT	Aeschylus. <i>Three or four credit hours.</i>

History

Chairman, PROFESSOR HAROLD RAYMOND

Professors Frederick Gillum, Raymond, and Clifford Berschneider; Associate Professor Lee Feigon; Assistant Professors Richard Moss, Joel Bernard¹, Jane Hunter², Robert Weisbrot, and Marilyn Maurinac³; Lecturers Fraser Cocks^{1,3} and Gregory Pfitzer.

History provides the opportunity to expand an understanding of the human experience through the study of one's own and other cultures and societies as they have evolved through time. It is also a rigorous intellectual discipline involving research techniques, problem solving, and the critical evaluation of evidence. The department offers a wide variety of learning experiences, including lectures, individual tutorials, discussion groups, and research seminars. Students are encouraged to take courses in many areas of history and in interdisciplinary programs and related fields. While a number of distinguished academic historians began their training at Colby, most majors find that history is excellent preparation for careers in business, law, and other professions. In recent years, media research preservation and museums have offered new opportunities for persons trained in history.

Requirements for the major in history:

Twelve semester courses in history, to include at least two courses in each of three major fields: United States history, European (including English) history, and non-Western history. At least one of the courses in each of the three fields should be at the 200 level or higher. Two of

the 12 courses counting toward the major may be selected from courses in related fields subject to approval by the department.

All majors must satisfy a comprehensive requirement either by taking a designated senior seminar or by a satisfactory oral presentation on a topic in the student's field of concentration in history.

Details on the division of courses among the fields and on the comprehensive requirement are available at the department office.

At least one January program must be taken in the major.

Majors in history may apply during their junior year for selection for admission to the department honors program. On successful completion of the work of the honors program and of the major, their graduation from the college will be noted as being "With Honors in History."

The point scale for retention of the major applies to all courses in history. With the exception of History 111, 112, no requirement for the major may be taken pass/fail.

¹On leave first semester.

²On leave second semester.

³Part-time.

111
THE RISE OF EUROPE
MR. GILLUM

A survey of principal developments and trends in European history from about 1450 to about 1890. The expansion of Europe, Renaissance, Reformation, Age of Reason, Revolutionary Epoch, romanticism, liberalism, nationalism, socialism, and imperialism are all given brief attention in an introductory course designed for students who have not already studied this subject. Enrollment is restricted to freshmen and may be limited. *Three credit hours.*

112
THE DECLINE OF EUROPE
MR. GILLUM

The diplomatic backgrounds of World War I and World War II and the period of the cold war, with some attention to the causes and consequences of the Suez crisis of 1956, the conflict in Indo-China, and the wars in the Middle East. Enrollment is restricted to freshmen and may be limited. *Three credit hours.*

123, 124
SURVEY OF UNITED STATES
HISTORY
MR. MOSS

United States history from the age of discovery to the present. Although chronological symmetry is maintained, an effort is made to demonstrate the particular value of political, economic, and constitutional interpretations. *Three credit hours.*

157, 158j, 158
INTRODUCTION TO HISTORY
MR. MOSS, MRS. MAVRINAC,
AND MR. COCKS

An examination of some of the problems posed by studying the past and an introduction to the tools and methods used by the historian. Each section will include some discussion of the general nature of history and examine in detail limited historical topics. Enrollment limited; preference given to freshmen and sophomores. *Three credit hours.*

<p>213 AFRICAN HISTORY AND CULTURES I MR. BROWNE</p>	<p>A selected survey of major themes and events in African history up to 1800. The approach will be chronological and topical, surveying specific epochs and problems of African history in chronological order. Our interests will be directed towards the history of Africa and Africans while not ignoring the influence of Europeans, Arabs, East Indians, Malaysians, or the Chinese in Africa. <i>Three credit hours.</i></p>
<p>214 AFRICAN HISTORY AND CULTURES II MR. BROWNE</p>	<p>Major issues in African history from 1800 to the present, concentrating on the twentieth century. Special emphasis will be placed upon the European presence in Africa, the rise of nationalism, and selected post-independence conflicts. The people and societies of Africa, and major recent developments in their history as a background for better understanding current events. <i>Three credit hours.</i></p>
<p>215 AMERICA AND ASIA: ATTITUDES AND RELATIONSHIPS MR. FEIGON</p>	<p>A history of United States attitudes and relations with Asian countries, principally China and Japan, particularly as manifested in such episodes as the opium wars, the anti-Oriental exclusion laws, the open-door policy, the Pacific side of World War II, the Korean War, the war in Vietnam, and present-day U.S.-China and U.S.-Japan relations. The American view of East Asia will be compared with other accounts of life in the region. <i>Three or four credit hours.</i></p>
<p>†[216] THE CHINESE REVOLUTION</p>	<p>Modern China, concentrating on the massive upheavals that have shaped her history in the past century, from the Taiping Rebellion of 1850-1864 to the death of Mao. <i>Three credit hours.</i></p>
<p>217j THE ADMINISTRATION OF JOHN F. KENNEDY MR. WEISBROT</p>	<p>A case study in presidential leadership. <i>Three credit hours.</i></p>
<p>[219j] THE HOLOCAUST: A STUDY OF NAZISM AND JUDAISM</p>	<p>A study of this tragedy in modern German as well as Western history, with the hope of becoming more capable of answering questions still unsatisfactorily answered, and of posing new questions regarding this riddle of history. Reading both historical and literary accounts of the tragedy. Enrollment limited. <i>Three credit hours.</i></p>
<p>231 MEDIEVAL HISTORY, C. 500-1300 MR. BERSCHNEIDER</p>	<p>A historical survey of the "first Europe" of Christendom from the time of the fall of Rome and the establishment of the Christian church to the beginnings of the Renaissance. The orientation of the course will be political, but major emphasis will be given to those religious and cultural developments which made this period "The Age of Faith." Formerly listed as History 137. <i>Three or four credit hours.</i></p>

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- *232
RENAISSANCE AND
REFORMATION, 1300-1648
MR. BERSCHNEIDER
- A historical survey of the transformation of Christendom into the "second Europe" of sovereign states and established churches. The orientation of the course will be political, but major emphasis will be given to those religious and cultural developments which made this a period of wars and revolutions. *Three or four credit hours.*
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- 237
THE EMERGENCE OF MODERN
BRITAIN, 1688-1867
MR. GILLUM
- England during the American, French, and Industrial revolutions. *Three credit hours.*
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- 238
THE DECLINE OF BRITIAN,
1867-1980
MR. GILLUM
- Britain from the age of imperialism through the era of world wars and to the dissolution of the empire. *Three credit hours.*
-
- 253
AMERICAN DIPLOMATIC
HISTORY, 1775-1898
MR. BERSCHNEIDER
- A historical study of American foreign policy and of the diplomacy conducted by the United States from the time of its war for independence to the time of its specific involvement in the politics of world power. *Three or four credit hours.*
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- †[255]
EUROPEAN DIPLOMATIC
HISTORY, 1815-1890
- Selected topics in diplomatic history analyzing the European state system and the relations existing among the major European powers. Specific attention will be given to the theme of "The Concert of Europe" and the development of national liberation movements. *Three or four credit hours.*
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- †[256]
EUROPEAN AND AMERICAN
DIPLOMATIC HISTORY,
1890-1945
- Selected topics in diplomatic history analyzing the alteration of the European state system in war and revolution and the emergence of two non-European world powers, the Soviet Union and the United States. Specific attention will be given to the development of international organizations. *Three or four credit hours.*
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- 257
THE HISTORY OF WOMEN IN
AMERICA
MS. HUNTER
- A survey of American women's history from colonial times to the present, focusing on changing economic, political, and social status, and analyzing the experiences of different classes and ethnic groups. The course will consider unorganized as well as organized female activity. Extensive reading of primary documents. *Three credit hours.*
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- 258
AMERICAN CHARACTER AND
CULTURE
MR. BERNARD
- The history and meaning of America as reflected in the life experiences of some Americans. Readings include autobiographies (Franklin, Davy Crockett, Jane Addams, Malcolm X), studies of American character (de Tocqueville, Turner, David Potter), and selected fiction. *Three or four credit hours.*

<p>277 AFRO-AMERICAN HISTORY: FROM SLAVERY TO FREEDOM MR. WEISBROT</p>	<p>The development of racism in America: the black experience of slavery, the role of Afro-Americans in shaping the nation's history, and the struggle for social equality from colonial times until the present. <i>Three credit hours.</i></p>
<p>[278] AFRO-AMERICAN HISTORY II</p>	<p>The struggle for equality, 1865 to the present. The continuing patterns of discrimination against blacks since the Civil War, black strategies of resistance and accommodation, and emergence of the civil rights movement as a major force in national politics. No prerequisites, but develops themes presented in History 277. <i>Three credit hours.</i></p>
<p>293 USE OF THE COMPUTER IN HISTORICAL STUDIES MRS. MAVRINAC</p>	<p>An introduction to the use of the computer for research projects using primarily SPSS. A group project using the manuscript census of 1880 or 1900 will provide "hands-on" experience. Coding and elementary processing of data will be studied. <i>Two or three credit hours.</i></p>
<p>[311] TUTORIAL IN HISTORY</p>	<p>Individual work in history, especially for juniors, built around weekly one-hour tutorial sessions between each tutee and the instructor. Enrollment limited to six students. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i></p>
<p>*314 THE FIRST WORLD WAR AND THE CRISIS OF EUROPEAN SOCIETY MR. GILLUM</p>	<p>Total war without generals or heroes. Emphasis will be given to the effect of the war on British and German societies. <i>Three credit hours.</i></p>
<p>*317d2 THE INTRODUCTION OF MARXISM INTO CHINA MR. FEIGON</p>	<p>The development of Marxist ideology in Europe interwoven with the history of the evolution of Chinese thought and society in the late nineteenth and early twentieth centuries as a result of the impact of Western imperialism. The origin of the Chinese environment into which Marxist thought was received and transformed and the impact of Marxist ideas on China through the early 1930's. <i>Three or four credit hours.</i></p>
<p>†[318] THE PEOPLE'S REPUBLIC OF CHINA</p>	<p>The development of Chinese Communist theories and practice since 1949 and their relation to socialist ideas and activities in other countries. Special emphasis will be placed on the socioeconomic background in China within which Maoist theory developed, particularly on the problems involved in attempting to bring about a socialist reorganization of state and society while engaged in industrial development. <i>Three or four credit hours.</i></p>

†[333] MEDIEVAL ENGLAND	A political survey of English history in the Saxon, Norman, Angevin, Lancastrian, and Yorkist periods. <i>Three credit hours.</i>
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[334] CRISIS AND REFORM: THE 1960's	The Utopian hopes for government during the Kennedy and Johnson years, both in solving social problems and in containing Communism around the world. Readings focus on the shaping of federal policies, their domestic and global impact, and the cultural and political legacy of this era. <i>Three or four credit hours.</i>
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†[335] A CONSTITUTIONAL AND LEGAL HISTORY OF MEDIEVAL ENGLAND	English governmental and legal principles in the Saxon period, in the time of Henry II, and in the thirteenth century. Developments since 1307 will be considered briefly. <i>Three credit hours.</i>
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336j TUDOR-STUART ENGLAND MR. GILLUM	The contest of religious doctrines and the conflict of political concepts, from the Renaissance monarchy of Henry VII to the "Glorious Revolution" of 1688. <i>Three credit hours.</i>
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341, 342 HISTORY OF RUSSIA AND THE USSR MR. RAYMOND	The expansion of the Russian state and the political and social development of the Russian people under the Tsarist and Soviet regimes. <i>Three credit hours.</i>
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†[352] INTELLECTUAL AND CULTURAL HISTORY OF MODERN EUROPE	A historical survey of the changes in the idea of history expressed by representative speculators from Hegel to Heidegger. Major attention will be given to the contributions made by Darwin, Marx, and Freud in the development of the modern ideologies of liberalism, Communism, and fascism, and the production of the cultural phenomenon of existentialism. <i>Three or four credit hours.</i>
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353 AMERICAN CULTURE AND SOCIETY, 1865-1975 MS. HUNTER	The development of modern American culture from the Gilded Age to the "Me" decade, from the Civil War to Vietnam. Social change and the evolving meaning of work, leisure, the individual, and the social experiment as reflected in literature, film, music, and art. <i>Three or four credit hours.</i>
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[354] AMERICAN INTELLECTUAL HISTORY, 1865-1917	An analysis of the dominant intellectual controversies during America's transition from an agrarian to an industrialized society. Focus is upon the effort made by American thinkers to redefine the meaning of community and the relationship of the individual to that community. <i>Three credit hours.</i>
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355 THE FRENCH REVOLUTION AND NAPOLEON MR. RAYMOND	The origins and political and social development of the French Revolution and Napoleonic dictatorship, 1789-1815. Considerable attention will be given to theories of revolution. <i>Three credit hours.</i>
*356d1 MODERN GERMANY MR. GILLUM	The political and economic development and the international influence of Germany from 1806 to 1945. <i>Three credit hours.</i>
[358] MODERN FRANCE, 1815-1946	A survey of French political history from the restoration of the monarchy to the reresoration of the republic. Attention will be given to the intellectual and cultural developments that have shaped republicanism in modern France. <i>Three or four credit hours.</i>
372 THE AMERICAN CIVIL WAR MR. RAYMOND	The origins of the Civil War and its military and political history from about 1850 to 1865. <i>Three credit hours.</i>
373 AMERICAN POLITICAL HISTORY, 1865-1929 MR. WEISBROT	American reform from the Reconstruction to the influence of the progressives. Topics include the changing nature of national politics in response to sectional and racial tensions, the growth of industry and urban life, agrarian and labor discontent, and the country's deepening involvement in world affairs. <i>Three or four credit hours.</i>
374 AMERICAN POLITICAL HISTORY, 1929 TO PRESENT MR. WEISBROT	The accelerated growth of federal power and responsibilities in meeting the challenges posed by the Great Depression, World War II, national security needs in a nuclear age, and rising demands by blacks and other minorities for equal rights. No prerequisites, but develops themes presented in History 373. <i>Three or four credit hours.</i>
*376 AMERICA: THE NEW WORLD, 1607-1783 MR. BERNARD	The American colonies from their earliest settlement to the Revolution; the emergence of a unique American society and mind from the Puritans to George Washington. <i>Three or four credit hours.</i>
†[378] THE UNITED STATES, 1783-1860	The problems of the new nation, including the Constitution, geographical expansion, religious revivalism, reform, democracy, slavery, and sectionalism. <i>Three credit hours.</i>
[379] BLACK HISTORY III	The history of the black American and race relations from the Harlem Renaissance to 1955, including blacks and the New Deal and World War II, and events in the Truman and Eisenhower administrations. <i>Prerequisite:</i> History 277, 278 or permission of the instructor. <i>Three credit hours.</i>

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- *381, 382
ISLAMIC HISTORY, 622-1945
MR. BERSCHNEIDER
- A survey of Islamic history from Hegira (622) to World War II (1945). Particular emphasis will be given to those portions of the Islamic world—the Near East and the Middle East—having greatest impact on the West. An effort will be made to interrelate social and cultural developments with more traditional political and economic interpretations. *Three or four credit hours.*
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- 393
AMERICAN CULTURAL HISTORY, 1600-1865
MR. MOSS
- American life from the founding to the Civil War as seen from a social and intellectual perspective. Emphasis on the growth of a unique American mind and its relationship to new world social and political development. *Three credit hours.*
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- 415
SEMINAR IN AMERICAN HISTORY
FACULTY
- (A) “History of Adolescence” (Ms. Hunter). Understandings of male and female adolescence at selected times in Western history, focusing on the relationships of “youth” to the family, peer group, the economy, and the opposite sex. (B) “The Awkward Age: 1865-1900” (Mr. Pfitzer). Analysis of the period variously described as the Gilded Age, the Age of Pragmatic Acquiescence, the Brown Decades, and the Age of Energy. The methodological problems of the periodization of American history and the factors that coalesce in the historical imagination to create a definable age, using an interdisciplinary perspective of fiction, art, manuscripts, and social documentaries.
Prerequisite: Permission of the instructor. *Three or four credit hours.*
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- 416
SEMINAR IN AMERICAN HISTORY
FACULTY
- (A) “Doing Social History: Kennebec County, a Case Study” (Mr. Bernard). An intensive course in reading and research, focusing on source materials available locally: town, church, and court records; federal census of population and manufacturing, diaries, letters, and autobiographies; newspapers and photographs. Each student will produce a research project based upon these sources. Additional prerequisite for this section is prior completion of two semester courses in American history. (B) “The Beauties of Biography” (Mr. Moss). The art of historical biography; students will read several biographies, compare them, and produce biographical pieces based on individual research.
Prerequisite: Permission of the instructor. *Three or four credit hours.*
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- 418
SEMINAR IN DIPLOMATIC
HISTORY
MR. BERSCHNEIDER
- For the Spring of 1983: Vietnam, a case study in the diplomacy of the cold war; an analysis of the involvement of France and the United States in the movement for Vietnamese independence.
Prerequisite: Permission of the instructor. *Three or four credit hours.*
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- [419]
SEMINAR IN MEDIEVAL HISTORY
- The Crusades, 1095-1274. A critical study of the history and the historiography of the medieval holy wars. Readings in the medieval

chronicles of the Crusades as well as secondary interpretive accounts.
Prerequisite: Permission of the instructor. *Three or four credit hours.*

432
 SEMINAR IN BLACK HISTORY
 MR. WEISBROT

“Black Thought and Leadership.” An intensive examination of selected leaders in Afro-American history, focusing particularly on civil rights activists and black nationalists of the past century. W.E.B. DuBois, Marcus Garvey, Martin Luther King, and Malcolm X are among those whose biographies and writings will be explored.
Prerequisite: Permission of the instructor. *Three or four credit hours.*

457
 SEMINAR IN MODERN CHINESE HISTORY
 MR. FEIGON

Revolution and inequality in China: to what extent did inequality help create the Chinese revolution, how much progress has been made in reducing inequality in China, and to what extent is inequality necessary for development? *Three or four credit hours.*

491, 492
 INDEPENDENT STUDY
 FACULTY

A study of history through individual projects.
Prerequisite: Permission of the instructor. *One to four credit hours.*

*494
 THE HOLOCAUST
 MR. WEISBROT AND MR. MIZNER

An examination of the Holocaust through literary and historical approaches, drawing on both primary and secondary sources, exploring the facts of the Holocaust, and confronting the moral and philosophical challenges posed by the event. Concurrent enrollment in appropriate section of English 494 required.
Prerequisite: Permission of the instructors. *Three credit hours.*

Human Development

Director, PROFESSOR FRANCIS PARKER

STEERING COMMITTEE: *Professors Miriam Bennett (Biology), Yeager Hudson (Philosophy), Nicholas Rohrman (Psychology), and Jonas Rosenthal (Sociology).*

ADVISORY COMMITTEE: *Professors Thomas Easton (Biology), Frederick Geib (Sociology), Harold Jacobson (Education), Diane Kierstead (Psychology), Judith Modell (Anthropology), Paul Perez (Psychology), Robert Reuman (Philosophy), Gustave Todrank (Philosophy); and six students.*

A multidisciplinary study of the origin and development of man. Academic aims of the program are to provide an understanding of the development of man as a biological and psychological organism; an appreciation of the relationship between the individual and his social environment; an opportunity to consider possible future directions for both the individual and society; and working experience with a local,

state, or regional agency involved in some aspect of human development.

Requirements for the major in human development:

In biology: 121, 122 and either 134 or 271.

In human development: 393, 493.

In philosophy: 331, 332.

In psychology: 111 and two additional courses, not to include 214 or 255.

Sociology: 121, 122 and one additional course in sociology or anthropology, not to include Sociology 237 or 271.

Either Sociology 271 or Psychology 214.

Either Psychology 255 or Sociology 237.

An additional nine credit hours above the introductory level in one of the following areas: anthropology, biology, philosophy-religion, psychology, or sociology.

At least one independent study project in human development taken either in January or one of the semesters.

The point scale for retention of the major applies to all courses offered toward the major. No requirement for the major may be taken pass/fail.

393d2
SEMINAR
MR. REUMAN

The study of multidisciplinary perspectives on problems in human development. *Two credit hours.*

491, 492
INDEPENDENT STUDY
FACULTY

Individual study of special problems in human development in areas where the student has demonstrated the interest and competence necessary for independent work.

Prerequisite: Permission of the instructor and the program director.
One to four credit hours.

493
SEMINAR IN HUMAN
DEVELOPMENT
MS. MODELL

An interdisciplinary seminar required of all senior majors in human development. Students are expected to integrate their previous work in the major into an articulated perspective. *Three credit hours.*

Italian

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

†[121, 122]
ELEMENTARY ITALIAN

Introduction to the language, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. *Four credit hours.*

*123, 124
INTERMEDIATE ITALIAN
MR. FERGUSON

Intensive review of the fundamentals of the language. Practice in the oral-aural skills, supplemented by work in the language laboratory and composition, all based on a variety of modern readings.

Prerequisite: Italian 121, 122 or permission of the instructor; 124 may not be taken without 123 except with permission of instructor. *Three credit hours.*

January Program

091j, 291j
INDIVIDUAL PROJECTS
FACULTY

Each department and interdisciplinary major sponsors a number of individual January program projects, primarily for majors, to be offered under the appropriate subject heading. At the time of registration the student and sponsor will determine if the project is to be graded or nongraded, and if it is to be for credit (either basic or flexible) or non-credit. The number of credits possible varies with department or program.

Prerequisite: Permission of the sponsor and, for projects outside the student's major, approval of the committee on the January program. 091j: *noncredit.* 291j: *two to three credit hours.*

OTHER JANUARY PROGRAMS

Courses to be offered in January are listed with the department of the faculty member sponsoring the course. Listings of all available January programs will be available in October, when students register for the January term. Enrollment will be limited in most courses, and freshmen will have priority in all 100-level courses.

Japanese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

121, 122
ELEMENTARY JAPANESE
MS. MOTOYAMA

Introduction to the spoken and written language, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. *Four credit hours.*

123, 124
INTERMEDIATE JAPANESE
MS. MOTOYAMA

A continuation of Japanese 122, with greater emphasis on written Japanese.

Prerequisite: Japanese 122. *Four credit hours.*

321, 322
ADVANCED JAPANESE
MS. MOTOYAMA

Advanced readings in Japanese. Designed primarily for those students who have had substantial experience in a Japanese-speaking setting.
Prerequisite: Japanese 124 or permission of the instructor. *Three or four credit hours.*

491, 492
INDEPENDENT STUDY
FACULTY

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Permission of the instructor. *Two to four credit hours.*

Latin

IN THE DEPARTMENT OF CLASSICS

111
INTENSIVE ELEMENTARY LATIN
MR. ROSENSTEIN

An intensive course in Latin grammar and syntax. *Four credit hours.*

112
INTERMEDIATE LATIN
MR. ROSENSTEIN

Selected readings from Latin authors. *Three credit hours.*

113
INTRODUCTION TO LATIN
LITERATURE
MRS. KOONCE

Readings in Terence. *Three credit hours.*

232
INTRODUCTION TO LATIN
POETRY
MR. WESTERVELT

Readings in Virgil's *Aeneid*. Successful completion of this course fulfills the college language requirement.
Prerequisite: Latin 113 or permission of the instructor. *Three or four credit hours.*

[251]
LATIN LITERATURE

Roman drama. *Three or four credit hours.*

†[351]
LATIN LITERATURE

Lucretius. *Three or four credit hours.*

*352
LATIN LITERATURE
MR. ROSENSTEIN

Livy. *Three or four credit hours.*

†[353] LATIN LITERATURE	Roman elegy and lyrics. <i>Three or four credit hours.</i>
[354] LATIN LITERATURE	Cicero: selected speeches. <i>Three or four credit hours.</i>
[355] LATIN LITERATURE	Roman satire. <i>Three or four credit hours.</i>
[356] LATIN LITERATURE	Cicero: letters. <i>Three or four credit hours.</i>
[357] LATIN LITERATURE	Horace: <i>Odes</i> and <i>Ars Poetica</i> . <i>Three or four credit hours.</i>
358d1 LATIN LITERATURE MR. ROSENSTEIN	Tacitus. <i>Three or four credit hours.</i>
[359] LATIN LITERATURE	Virgil: <i>Eclogues</i> and <i>Georgics</i> . <i>Three or four credit hours.</i>
[371] LATIN LITERATURE	Terence. <i>Three or four credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	Reading in a field of the student's interest, with essays and conferences. <i>One to three credit hours by prior arrangement.</i>
†[494] SEMINAR	Virgil: <i>Aeneid</i> . <i>Three or four credit hours.</i>

Legal Studies

Director, PROFESSOR ALBERT MAVRINAC

ADVISORY COMMITTEE: *Professors William Cotter (Government), Frederick Gautschi (Administrative Science), Frederick Gillum (History), Sandy Maisel (Government), Robert McArthur (Philosophy), James Meehan (Economics), Sonya Rose (Sociology), and Guenter Weissberg (Government).*

The legal studies program is composed of a variety of courses that ex-

amine the law and the legal process from a number of disciplinary perspectives. These courses, in the tradition of the liberal arts, focus on the law as it relates to other areas of knowledge and are not designed as a prelaw curriculum for prospective law students. Courses range from specific types of law such as constitutional, business, and international law to those which examine the law in the broader perspectives of economic thought or moral philosophy. Some focus exclusively on the Anglo-American common law, while others use comparative techniques to gain insights into the legal system of other societies with different legal traditions. The professors in these courses come from many disciplines. Each is active in research, writing, or consulting in legal studies or in subjects related to the law. Several have had extensive training in American law schools. A number have experience working in federal government. Two are members of the bar; one is a specialist in the law of the sea. Students who are interested in attending law school should consult the committee on professional preparation for law and government service and should avoid overconcentration in law-related courses as an undergraduate.

Courses offered in the legal studies program include:

ADMINISTRATIVE SCIENCE: 354 Law.

ECONOMICS: 313 Topics in Law and Economics; 331 Industrial Organization and Antitrust Economics; 332 Regulated Industries.

GOVERNMENT: 314 American Constitutional Law; 319 Law and Social Change; 338 International Law; 359 Government and the Press; 412 Colloquium on Political Theory and Constitutional Law; 458 Seminar on the United Nations.

HISTORY: 335 A Constitutional and Legal History of Medieval England.

PHILOSOPHY: 118 Central Philosophical Issues: Philosophy of Law.

PHILOSOPHY/ECONOMICS: 494 Economics Law and Philosophy.

Linguistics

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

211
INTRODUCTION TO LINGUISTICS
MR. SO

A multidisciplinary introduction to language, covering phonetics, morphology, syntax, language acquisition, and genealogical and typological relationships of languages of the world. The relationship of language to the fields of philosophy, English, philology, biology, physics, intellectual history, political science, and anthropology.

Prerequisite: Successful completion of any intermediate language course or demonstration of equivalent proficiency. *Three credit hours.*

212
MAN, WOMAN, AND LANGUAGE
MR. SO

Human communication and culture. The scope of the course is broad; possible topics include dialects, women's speech, semantics, pragmatics, black English, nonhuman communication, jokes, logic, and lies.
Prerequisite: Linguistics 211 or permission of the instructor. *Three credit hours.*

RELATED COURSES

Other courses recommended for students interested in linguistics are Biology 377 (Topics in Neurobiology) (q.v.), Biology 378 (Animal Behavior), English 432 (History of the English Language), and Psychology 238 (Psychology of Language).

Literature in Translation

OFFERED BY THE DEPARTMENTS OF CLASSICS, ENGLISH, AND MODERN FOREIGN LANGUAGES

133
GREEK MYTH AND LITERATURE
MR. WESTERVELT

Listed as Classics 133 (q.v.). *Three or four credit hours.*

[223, 224]
GERMAN CULTURAL TRADITIONS

Listed as German 223, 224 (q.v.). *Three credit hours.*

*225, 226
RUSSIAN CULTURE AND CIVILIZATION
MR. MILLER

Listed as Russian 223, 224 (q.v.). *Three credit hours.*

[227, 228]
LATIN AMERICAN CIVILIZATION

Listed as Spanish 227, 228 (q.v.). *Three credit hours.*

†[232]
GREEK TRAGEDY

Listed as Classics 232 (q.v.). *Three or four credit hours.*

*234
THE HEROIC IDEAL IN EARLY GREEK POETRY
MR. WESTERVELT

Listed as Classics 234 (q.v.). *Three or four credit hours.*

†[235]
QUÉBEC IN TRANSITION

Listed as French 235 (q.v.). *Three or four credit hours.*

†[237] RUSSIAN LITERATURE IN TRANSLATION I	Listed as Russian 237 (q.v.). <i>Three credit hours.</i>
†[238] RUSSIAN LITERATURE IN TRANSLATION II	Listed as Russian 238 (q.v.). <i>Three credit hours.</i>
251, 252 INTRODUCTION TO CHINESE LITERATURE MR. LANGLEY	Listed as East Asian Studies 251, 252 (q.v.). <i>Three credit hours.</i>
253 THE LITERATURE OF THE CHINESE REVOLUTION MR. LANGLEY	Listed as East Asian Studies 253 (q.v.). <i>Three credit hours.</i>
254 THE CLASSIC CHINESE NOVEL MR. LANGLEY	Listed as East Asian Studies 254 (q.v.). <i>Three credit hours.</i>
271, 272 INTRODUCTION TO JAPANESE LITERATURE MS. MOTOYAMA	Listed as East Asian Studies 271, 272 (q.v.). <i>Three credit hours.</i>
†[276] DANTE IN TRANSLATION	Listed as English 276 (q.v.). <i>Three or four credit hours.</i>
†[278] ITALIAN FICTION AND FILM	Listed as English 278 (q.v.). <i>Three credit hours.</i>
†[373] THE DEVELOPMENT OF DRAMATIC ART I	Listed as English 373 (q.v.). <i>Three credit hours.</i>
†[374] THE DEVELOPMENT OF DRAMATIC ART II	Listed as English 374 (q.v.). <i>Three credit hours.</i>
*375 MODERN DRAMA I MR. KOONCE	Listed as English 375 (q.v.). <i>Three credit hours.</i>

*376

MODERN DRAMA II
MR. KOONCE

Listed as English 376 (q.v.). *Three credit hours.*

437

THE LITERATURE OF
EXISTENTIALISM
MR. MIZNER

Listed as English 437 (q.v.). *Three credit hours.*

Mathematics

Chairman, ASSOCIATE PROFESSOR HOMER HAYSLETT

Associate Professors Donald Small and Hayslett; Assistant Professors John Goulet, Gail Walker¹, Kenneth Hamilton, Dale Skrien, Carol Bassett², John Hosack, and Kenneth Lane; Instructor John Gimbel.

The mathematics department offers courses for students who plan careers in an area of pure or applied mathematics. Recognizing the unique contribution of the computer in society, the department also offers courses in computer science and programming. The computer-terminal room contains both printing terminals and video terminals, most of the latter with graphics capabilities. Terminals are accessible to all students during the week, including weekends, with monitors available for assistance. Colby mathematics majors go into such traditional areas as graduate work and/or teaching. However, many students have used the major as preparation for careers in law, insurance, and various aspects of business and government, acknowledging the value of mathematics as a solid foundation for further intellectual pursuits.

Requirements for the major in mathematics:

Mathematics 121, 122, 221, 222, 361, 362, 401, 402, 433, 434, and 12 additional hours in mathematics selected from the following: 311, 312, 315, 332, 352, 372, 381, 382.

The point scale for retention of the major applies to all courses taken in the department. No requirement for the major may be taken pass/fail.

Freshmen planning to major in mathematics or the physical sciences should elect in the sequence Mathematics 121, 122, 221, 222. Advanced placement or high school background would determine exactly where a student should enter the sequence.

Freshmen planning to major in the life sciences or social sciences might plan to elect from the set Mathematics 113 (Linear Algebra);

Mathematics 121, 122 (Calculus); Mathematics 241 (Elementary Statistics); Mathematics 243 (Finite Mathematics). Elementary Statistics has a prerequisite of Mathematics 121 or equivalent. Mathematics 243 is offered in alternate years and has a prerequisite of 113 or 121, or equivalent.

A brief introduction to the use of the computer terminals will be required in all 100- and 200-level mathematics courses. For students electing more than one such course, the work will be graduated accordingly.

Attention is called to the interdepartmental majors in administrative science-mathematics, economics-mathematics, philosophy-mathematics, and psychology-mathematics.

¹On leave full year.

²Part-time.

113d LINEAR ALGEBRA FACULTY	Basic concepts and techniques of linear algebra that will be useful in further applications of mathematics. Systems of equations and matrices are used as vehicles for this study. May not be taken for credit if the student has earned credit for Mathematics 221. Multisectioned. <i>Three credit hours.</i>
121d CALCULUS I FACULTY	Elementary differential and integral calculus. Multisectioned. <i>Three credit hours.</i>
122d CALCULUS II FACULTY	Further study of differential and integral calculus, with selected applications. Multisectioned. <i>Prerequisite:</i> Mathematics 121. <i>Four credit hours.</i>
221d CALCULUS III FACULTY	Solutions of linear systems of algebraic equations and matrix algebra. Also an introduction to linear spaces and linear transformations; theory and applications of determinants, eigenvalues and eigenvectors of linear transformations and matrices, and the principal axis theorem; quadratic forms. Multisectioned. <i>Prerequisite:</i> Mathematics 122. <i>Four credit hours.</i>
222d CALCULUS IV FACULTY	Topics in multivariable calculus. Multisectioned. <i>Prerequisite:</i> Mathematics 221. <i>Four credit hours.</i>
231 ELEMENTARY STATISTICS AND REGRESSION ANALYSIS MR. HAYSLETT	Elementary probability theory, special discrete and continuous distributions, descriptive statistics, sampling theory, confidence intervals, tests of hypotheses, correlation, linear regression, and multiple linear regression. Examples and applications slanted toward economics. May not be taken by students who have taken Mathematics 241. <i>Prerequisite:</i> Mathematics 121. <i>Four credit hours.</i>

241d, 242 ELEMENTARY STATISTICS I AND II MR. HAYSLETT AND MR. SKRIEN	<p>Statistics I: descriptive statistics, elementary probability theory, binomial and normal distributions, elementary sampling theory, tests of hypotheses, confidence intervals, correlation. Applications are emphasized. Offered each semester. Statistics II: a continuation, including regression, analysis of variance, and nonparametric statistics. Offered second semester only. Neither course open to mathematics majors or students who have taken Mathematics 231.</p> <p><i>Prerequisite:</i> Mathematics 121. Mathematics 241: <i>four credit hours</i>; 242: <i>two credit hours</i>.</p>
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†[243, 244] FINITE MATHEMATICS	<p>Selected topics from modern mathematics useful in the biological and social sciences, including probability, elements of modern algebra, and an introduction to linear programming and the theory of games. Statistics is not treated but is offered in other courses. Not open to mathematics majors.</p> <p><i>Prerequisite:</i> Mathematics 113 or 121. <i>Three credit hours</i>.</p>
<hr/>	
311 DIFFERENTIAL EQUATIONS MR. GOULET AND MR. LANE	<p>Theory and solution methods of first- and second-order ordinary differential equations with applications; first-order linear systems, solutions, and stability.</p> <p><i>Prerequisite:</i> Mathematics 222 or permission of the instructor. <i>Three credit hours</i>.</p>
<hr/>	
312 TOPICS IN ANALYSIS MR. GOULET	<p>A continuation of Mathematics 311. Partial differential equations, particularly linear equations. Also Fourier series, Fourier transforms, Sturm-Liouville theorem as applied to partial differential equations; an introduction to potential theory; Green's functions.</p> <p><i>Prerequisite:</i> Mathematics 311. <i>Three credit hours</i>.</p>
<hr/>	
315 INTRODUCTION TO MATHEMATICAL SYSTEMS MR. GOULET	<p>Qualitative discussion of the nature of systemic analysis, with examples drawn from computer science, ecological systems, human physiology, physics, and economics. Topics include linear systems of differential equations, control theory, nonlinear stability theory, numerical solutions of systems, discrete systems.</p> <p><i>Prerequisite:</i> Mathematics 222 and knowledge of BASIC computer language. <i>Three credit hours</i>.</p>
<hr/>	
332 INTRODUCTORY NUMERICAL ANALYSIS INSTRUCTOR	<p>Solution by numerical methods of linear and nonlinear equations, systems of equations, and differential equations; numerical integration; polynomial approximation; matrix inversion; error analysis. A time-sharing computer system will be used to solve problems.</p> <p><i>Prerequisite:</i> Some programming experience, Mathematics 222, or permission of the instructor. <i>Three credit hours</i>.</p>

352 COMPLEX VARIABLES INSTRUCTOR	The arithmetic and calculus of complex numbers. The properties of analytic functions, including mapping by elementary functions, conformal mapping, residues, and poles. <i>Prerequisite:</i> Mathematics 222 or permission of the instructor. <i>Three credit hours.</i>
361, 362 HIGHER ALGEBRA MR. SKRIEN	Introduction to algebraic structures, such as groups, rings, integral domains, and fields. <i>Prerequisite:</i> Mathematics 222. <i>Three credit hours.</i>
372 DISCRETE MATHEMATICS MR. SMALL	Selected topics in modern mathematics and operations research that have applications in current societal problems. The content will vary from year to year, but topics such as graph theory, combinatorics, game theory, linear programming, optimization techniques, and Markov chains would be considered. <i>Prerequisite:</i> Mathematics 222. <i>Three or four credit hours.</i>
381, 382 MATHEMATICAL STATISTICS MR. HAYSLETT	Random variables, special probability distributions, moment generating functions, maximum likelihood estimators, sampling distributions, regression, tests of hypotheses, confidence intervals, linear models, analysis of variance. Although applications are discussed, emphasis is on theory. <i>Prerequisite:</i> Mathematics 222. <i>Three credit hours.</i>
401, 402 MATHEMATICS SEMINAR FACULTY	Discussion of topics in pure and applied mathematics. Nongraded. <i>Prerequisite:</i> Senior standing in the mathematics major or a combined major including mathematics. <i>One credit hour for the year.</i>
433 REAL ANALYSIS MR. HAMILTON	More advanced topics of calculus and an introduction to real analysis. <i>Prerequisite:</i> Mathematics 222 and senior standing, or permission of the instructor. <i>Three credit hours.</i>
434 TOPICS IN ADVANCED MATHEMATICS INSTRUCTOR	Content may vary from year to year, but topics such as topology, measure theory, functional analysis, or related areas may be considered. <i>Prerequisite:</i> Mathematics 433. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	Independent study in an area of mathematics of particular interest to the student. <i>Prerequisite:</i> Mathematics major and permission of the department. <i>Two to four credit hours.</i>

Modern Foreign Languages

Chairman, ASSOCIATE PROFESSOR JONATHAN WEISS

Professors Jean Bundy, Henry Holland¹, Francisco Cauz, and Guy Filosof; Associate Professors Hubert Kueter, Charles Ferguson, Priscilla Doel, Weiss, and James McIntyre²; Assistant Professors Arthur Greenspan³, Frank Miller, John Reynolds, Chung So, Jane Moss, Federico Perez-Pineda, John Westlie, Merle Krueger, Camille Laparra, Mutsuko Motoyama, and Jorge Olivares; Instructor Fernando Samaniego; Lecturer Barbara Nelson⁴; Ziskind Lecturer Charles Langley.

The programs in modern foreign languages are designed to bring students into close contact with the products of imagination and inquiry of other cultures; at the same time, the study of foreign languages and literatures heightens one's awareness of one's own culture. Students have the opportunity to study in a wide variety of areas, some interdisciplinary, and to spend their junior year abroad either at Colby's own program in Caen or at approved programs in other countries. Like most liberal arts majors, the study of foreign languages should be considered as a background leading to a wide variety of careers. Some students go on to pursue advanced degrees in languages and literatures, but this is not always the case. When languages are combined with course work in history, government, economics, or the natural sciences, career possibilities in law, medicine, business, and government are enhanced. Prospects for teaching languages are somewhat limited, but needs do exist in certain areas, and the department offers both courses and practical training in this field.

Achievement test: If a student offers a foreign language for entrance credit and wishes to continue it in college, he must either have taken the CEEB achievement test in the language or take the placement test during freshman orientation.

Note: Majors are offered in French, German, and Spanish; the department also offers instruction in Chinese, Italian, Japanese, Portuguese, and Russian.

Students interested in Russian are invited to consider an independent major, combining their study of Russian with another area of concentration (another language or literature, art, economics, history, music, philosophy, or sociology).

Teacher certification: Students desiring certification for teaching French, German, or Spanish must take Modern Foreign Languages 411, and may in some cases be required to take other specified courses.

¹Resident director, Cuernavaca Program, first semester; on leave second semester.

²On leave full year.

³Resident director, University of Caen, full year.

⁴Part-time.

<p>411 TEACHING OF MODERN FOREIGN LANGUAGES MR. BUNDY</p>	<p>Problems and methods of teaching modern foreign languages. Readings, discussions, practice work, and criticism. Counts as three hours in education toward the Maine secondary-school teaching certificate. Conducted in English. Nongraded.</p> <p><i>Prerequisite:</i> Two 200-level modern foreign literature courses. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT TOPICS IN MODERN FOREIGN LANGUAGES FACULTY</p>	<p>Individual projects in language or literature in which the student has demonstrated the interest and competence necessary for independent work.</p> <p><i>Prerequisite:</i> Permission of the department chairman. <i>Two to four credit hours.</i></p>

Music

Chairman, PROFESSOR PETER RÉ

Professors Ré¹ and James Armstrong²; Associate Professors Adel Heinrich, Dorothy Reuman³, and Paul Machlin⁴; Assistant Professor Miriam Barndt-Webb.

The Colby music department faculty is comprised of performing musicians whose course assignments take into account their specialized training and background in such areas as musicology, music theory, and composition. The music curriculum is designed to offer music majors and nonmajors a wide choice of studies in the performing, creative, historical, and theoretical aspects of music.

Facilities include a recital hall, a band and orchestra rehearsal room, teaching studios, practice rooms, listening rooms, and an electronic-music center. Performances are also presented in Lorimer Chapel, Strider Theater, and the McPartland Music Shell. The fine arts library contains resource materials for curricular and other needs.

Requirements for the major in music:

Music 171, 172, 211, 216, 217, 271 and, effective with the class of 1984, 272; also, nine additional credit hours in music courses at or above the 200 level, of which at least three credit hours must be earned in 491, 492, 493, or 494; also, at least four semesters of graded credit in applied music (individual study or ensemble). Some skill at the keyboard is required of all majors; consult the department. Students wishing to pursue graduate study in musicology are advised that a reading

knowledge of French and German is a general requirement for such study.

The point scale for retention of the major applies to all courses in music history and theory. No requirement for the major may be taken pass/fail.

Attention is called to the interdisciplinary major in American studies and to the program in performing arts.

¹On leave second semester.

²Acting chairman second semester.

³Part-time.

⁴On leave full year.

091j
APPLIED MUSIC
STAFF

Individual instruction for students who wish to devote the month of January to the study of voice or an instrument. Two half-hour lessons weekly, supplemented by individual daily practice, by reading and listening assignments, and by a final performance and research paper. Similar arrangements can be made for students studying off campus. For additional information concerning fees and related matters, see the applied music statement following Music 499. Interested students should consult the department before registering.

Prerequisite: Permission of the department. *Noncredit.*

111d
INTRODUCTION TO MUSIC
MISS HEINRICH AND MRS. REUMAN

The development of perceptive listening and an introduction to the Western musical tradition through the study of selected works. No previous knowledge of music assumed. Cannot be counted toward the music major. *Three credit hours.*

131
STUDIES IN AMERICAN MUSIC
MS. BARNDT-WEBB

Aspects of American music, examined from historical and critical perspectives. Areas to be studied may include topics in the eighteenth and nineteenth centuries, the works of important contemporary composers, or music in popular culture. A description of specific topics to be covered will be published before registration.

Prerequisite: Music 111 or permission of the instructor. *Three credit hours.*

†[134]
THE SYMPHONY

Representative symphonies from the eighteenth century to the present. Primarily for students not intending to major in music.

Prerequisite: Music 111 or permission of the instructor. *Three credit hours.*

†[135]
CHANSONS AND LIEDER

A detailed study of art songs, French chansons, and German lieder, with emphasis given to the songs and song cycles of Schubert, Schumann, Brahms, Mahler, Wolf, Debussy, and contemporary composers.

Prerequisite: A college-level course in music history or theory. *Three or four credit hours.*

†[151]
MUSIC IN THE LIBERAL ARTS

An exploration of relationships between the art of music and other areas within the liberal arts. Such areas might include physics, mathematics, physiology and psychology, philosophy and aesthetics, the visual arts, anthropology and sociology, language and literature, historical or area studies, theater and dance, and religion. *Three credit hours.*

153d
INTRODUCTION TO MUSIC
THEORY
MR. ARMSTRONG AND
MRS. REUMAN

An introductory survey of the main aspects of music theory and practice, including rhythm, intervals, scales and keys, melody, harmony, and form. Some music reading, creative writing, and analytical studies in various styles and periods are included. Primarily for students not intending to major in music. May not be taken for credit in addition to Music 171. *Three credit hours.*

171
MUSIC THEORY I
MRS. REUMAN

Within a sequence of courses designed to present analytical skills for understanding the elements and structure of tonal music, Music Theory I covers skills pertaining to notation, intervals, scales, tonality, and melodic construction. Includes ear training and sight singing. Primarily for music majors.

Prerequisite: Permission of the instructor. *Three credit hours.*

172
MUSIC THEORY II
MR. ARMSTRONG

A continuation of Music Theory I, including an introduction to four-part writing. Primarily for music majors.

Prerequisite: Music 171 and keyboard proficiency test. *Three credit hours.*

191, 192
APPLIED MUSIC: INDIVIDUAL
STUDY
STAFF

Instruction in voice and instruments for qualified students. Possible offerings in 1982-83, depending upon demand, include electronic music, flute, guitar, harpsichord, organ, piano, viola, violin, violoncello, and voice. For additional information concerning fees and related matters, see the applied music statement following Music 499. Interested students should consult the department before registering. May be repeated for additional credit. Nongraded.

Prerequisite: Music 153 or 171 (may be taken concurrently) and permission of the department. *Praxis. One or two credit hours.*

193, 194
APPLIED MUSIC: ENSEMBLE
STAFF

Optional credit for participation in musical organizations and ensembles. In addition to the college band, chapel choir, glee club, and symphony orchestra, the department will undertake to form small ensemble groups as the need arises. Interested students should consult the department for additional information before registering for credit. May be repeated for additional credit. Nongraded.

Prerequisite: Music 153 or 171 (may be taken concurrently) and permission of the department. Praxis. *One credit hour.*

<p>197 THE CONCERT CRITIQUE MR. RÉ</p>	<p>Using as repertoire music to be performed at selected Colby concerts, the student will learn skills involved in concert reporting. These skills involve three steps: preview of the music to be performed, attendance and attentive listening at the concerts, and reasoned reviews.</p> <p><i>Prerequisite:</i> Music 111 or permission of the instructor. <i>Three credit hours.</i></p>
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<p>211 MUSIC HISTORY I MR. ARMSTRONG</p>	<p>The history of Western music from the Middle Ages to 1750. Primarily for music majors.</p> <p><i>Prerequisite:</i> Music 172. <i>Four credit hours.</i></p>
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<p>216 MUSIC HISTORY II MS. BARNDT-WEBB</p>	<p>The history of Western music from 1750 to 1870. Primarily for music majors.</p> <p><i>Prerequisite:</i> Music 211. <i>Four credit hours.</i></p>
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<p>217 MUSIC HISTORY III MR. RÉ</p>	<p>The history of Western music from 1870 to the present. Primarily for music majors.</p> <p><i>Prerequisite:</i> Music 216. <i>Four credit hours.</i></p>
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<p>[235] CHAMBER MUSIC</p>	<p>The development of chamber music written for various groups, with emphasis on representative composers and works. Augmented credit of one hour based on participation in a performance laboratory.</p> <p><i>Prerequisite:</i> A college-level course in music history or theory. <i>Three or four credit hours.</i></p>
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<p>271 MUSIC THEORY III MR. ARMSTRONG</p>	<p>A continuation of Music Theory II, including further study of harmony and an introduction to chromatic harmony. Primarily for music majors.</p> <p><i>Prerequisite:</i> Music 172. <i>Three credit hours.</i></p>
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<p>272 MUSIC THEORY IV MISS HEINRICH</p>	<p>A continuation of Music Theory III, covering postromantic harmony and contemporary techniques. Representative works of Wagner, Scriabin, Shostakovitch, Bartok, Hindemith, Stravinsky, Schoenberg, and other composers will be analyzed. Primarily for music majors.</p> <p><i>Prerequisite:</i> Music 271. <i>Three credit hours.</i></p>
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<p>†[278] OPERA AS THEATER</p>	<p>A historical study of principles of opera production, with laboratory experience in staging scenes from several periods.</p> <p><i>Prerequisite:</i> Permission of the instructor. <i>Four credit hours.</i></p>
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291, 292 APPLIED MUSIC: INDIVIDUAL STUDY STAFF	Instruction in voice and instruments for qualified students. The student's performance in the course will be evaluated by faculty jury at the end of the semester. Possible offerings in 1982-83, depending upon demand, include electronic music, flute, guitar, harpsichord, organ, piano, viola, violin, violoncello, and voice. For additional information concerning fees and related matters, see the applied music statement following Music 499. Interested students should consult the department before registering. May be repeated for additional credit. Conventionally graded. <i>Prerequisite:</i> Music 191 or 192 and permission of the department. Praxis. <i>One or two credit hours.</i>
293, 294 APPLIED MUSIC: ENSEMBLE STAFF	Optional credit for participation in musical organizations and ensembles. The student's performance in the course will be evaluated by faculty jury at the end of the semester. In addition to the college band, chapel choir, glee club, and symphony orchestra, the department will undertake to form small ensemble groups as the need arises. Interested students should consult the department for additional information before registering for credit. May be repeated for additional credit. Conventionally graded. <i>Prerequisite:</i> Music 193 or 194 and permission of the department. Praxis. <i>One credit hour.</i>
[332] STUDIES IN OPERATIC STYLE	Representative operas will be examined in detail, noting the individual stylistic tendencies of the composer, as well as the various ways in which the music reflects aesthetic trends of the age in which it was composed. <i>Prerequisite:</i> Music 172 and one college-level course in music history, or permission of the instructor. <i>Four credit hours.</i>
†[376] COUNTERPOINT	A study of the principles of sixteenth-, seventeenth-, and eighteenth-century polyphony. Composition of canons, inventions, and fugues. Analysis of representative works. <i>Prerequisite:</i> Music 272. <i>Three credit hours.</i>
*378d1 CONDUCTING MS. BARNDT-WEBB	Studies in basic conducting technique and its application to stylistic interpretation. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work. Primarily for senior music majors. <i>Prerequisite:</i> Permission of the department. <i>One to four credit hours.</i>

†[493, 494] SEMINAR IN MUSIC	Topics will change each semester; a complete description will be available before registration. Primarily for senior music majors. <i>Prerequisite:</i> Music 272 and permission of the instructor. <i>Three or four credit hours.</i>
499d MUSIC TEACHING FACULTY	Directed practice in conduct of introductory music courses. Open to a limited number of upperclass music majors. Nongraded. <i>Prerequisite:</i> Music 217, 272, and permission of the department. <i>Praxis. Two credit hours.</i>
APPLIED MUSIC	<p>Private lessons in voice and a variety of instruments are available, with or without academic credit, at additional cost. For a list of possible offerings in 1982-83, see Music 191, 192. For information concerning academic credit, see Music 091j, 191, 192, and 292. In the case of Music 091j, a fee of \$90 is charged for on-campus instruction. In the case of Music 191, 192, 291, 292, a fee of \$180 is charged for each semester of instruction in a two-credit course; for a one-credit course the fee is \$110. Comparable fees are charged for extracurricular instruction in applied music, which is available during both semesters and during January.</p> <p>All majors are expected to demonstrate some skill at the keyboard; consult the department. Students not already proficient are urged to remedy this deficiency as soon as possible by enrolling for piano study.</p> <p>The department reserves some scholarship money to aid students of applied music; consult the chairman.</p>

Performing Arts

Chairman, PROFESSOR HOWARD KOONCE

Professor Koonce; Adjunct Assistant Professors Christine Mitchell-Wentzel, Richard Sewell, and Stephen Woody; Instructor Nicholas Azzaretti.

ADVISORY COMMITTEE: *Professors Nicholas Azzaretti (Performing Arts), Patrick Brancaccio (English), Paul Machlin (Music), Christine Mitchell-Wentzel (Performing Arts), Richard Sewell (Performing Arts), Jonathan Weiss (Modern Languages), and Stephen Woody (Performing Arts).*

The program in the performing arts enlarges existing patterns of academic concentration through credited work in theater, musical performance, and dance. The program is founded on two premises: first, that performance is essential to a full understanding of the art form; second, that all the arts share significant modes of thought and expression, and that a knowledge of one art form will contribute to an understanding of

all the arts. In addition to traditional lecture/discussion courses, the program includes frequent opportunities for practical experience in the theater.

Courses offered in the performing arts include:

MUSIC: 091j, 191, 192 Applied Music: Individual Study; 193, 194 Applied Music: Ensemble; 278 Opera as Theater; 291, 292 Applied Music: Individual Study; 293, 294 Applied Music: Ensemble; 378 Conducting; 491, 492 Independent Study in Music.

PERFORMING ARTS: 121, 122 Theater Production; 151 Dancers of the Avant Garde; 153 Drama in Performance; 171 Introduction to Performance; 191, 192 Applied Dance; 193, 194 Applied Theater; 197 The Performance Event; 212 Theory and Art of Stage Directing; 221, 222 Theater History; 231 Scene Design; 232 Stage Lighting; 241, 242 Introduction to the Art of Dance; 272 Acting II; 274 Performing the Classics; 341, 342 Modern Dance Composition and Theory; 351 Dance Repertory; 354 Drama in Performance II; 491, 492 Independent Study in Theater.

Courses in the literature of the performing arts, which provide the liberal arts context for the program, include:

CLASSICS: 232 Greek Tragedy.

ENGLISH: 271 General Speech; 275 The Art of the Narrative Film; 373, 374 The Development of Dramatic Art; 375, 376 Modern Drama; 383, 384 Studies in Shakespeare; 472 Oral Interpretation.

MUSIC: 134 The Symphony; 135 Chansons and Lieder; 235 Chamber Music; 332 Studies in Operatic Style; 376 Counterpoint.

SPANISH: 351 El Siglo de Oro.

121d, 122d
THEATER PRODUCTION
MR. WOODY

An introduction to the art of theater production, showing the interaction of the director, designers, actors, and technicians from the director's concept to the realized production on stage. A general survey of the evolution of theaters and theater productions through history, showing the effects of social, political, economic, religious, and scientific changes on the plays being written and the styles and methods of designing and producing those plays. Laboratory: an introduction to the current methods and materials used in fabricating scenery, properties, lighting, and sound. Students are required to work on one Performing Arts production during the semester. Formerly listed as Performing Arts 111. *Four credit hours.*

†[151j]
DANCERS OF THE AVANT-GARDE

A review of the radical changes that swept the dance world in the 1960's and 1970's; influences of society and the art community which led to these changes, their longevity, and the forerunners of the movement. Subjects will include "happenings," the Judson Church era,

nondance dance, and the philosophies of these new choreographers and their reevaluative attitudes toward dance. *Three credit hours.*

†[153j]
 DRAMA IN PERFORMANCE I

Supervised student production of a play which will be studied both in its cultural context and as a representative of its kind, emphasizing the interplay between an intellectual command of a text in its context and the problems of presenting a unified idea in actual production.

Prerequisite: All registrants must be members of the cast or crew. *Three credit hours.*

171
 INTRODUCTION TO
 PERFORMANCE
 MS. MITCHELL-WENTZEL AND
 MR. SEWELL

Stage movement and development of characters of selected plays for presentation on stage. Scripts will be selected to offer a variety of roles and for the imaginative scope and challenge they afford. Emphasis will be on dynamics and variety in developing a persona in physical movement, in silence, and in dialogue. Two performances open to an audience will be staged, one at midsemester and one at the final class. *Three credit hours.*

191, 192
 APPLIED DANCE
 MS. MITCHELL-WENTZEL

Optional credit for participation in Colby Dancers. May be repeated for additional credit. Enrollment limited.

Prerequisite: Performing Arts 341, 342 (may be taken concurrently) and permission of the performing arts committee. *Praxis. One credit hour.*

193, 194
 APPLIED THEATER
 FACULTY

Optional credit for significant participation in productions, applied workshops, or performances staged in conjunction with classes in directing. May be repeated for additional credit. Enrollment limited.

Prerequisite: For actors, Performing Arts 272 or 274 (may be taken concurrently); for technicians, Performing Arts 231 or 232 (may be taken concurrently); all students must obtain permission of the performing arts committee. *Praxis. One credit hour.*

197
 THE PERFORMANCE EVENT
 FACULTY

An introduction to the performing arts aimed at developing an informed, active audience through an acquaintance with theater and dance and with the physical and artistic processes that create them. Attendance at all Powder and Wig and Performing Arts productions will be required, as well as attendance at one production elsewhere (in Waterville, at other Maine colleges and universities, or professional theater or dance available in Bangor, Portland, Boston, and New York). *Three credit hours.*

†[212]
 THEORY AND ART OF STAGE
 DIRECTING

An in-depth study of the theory and practice of major modern directors. Each student will develop and direct one two- or three-person scene. *Three credit hours.*

†[221, 222] THEATER HISTORY	The history of significant developments in Western theater from the classical Greek period to the present. In the first semester, emphasis will be placed on influential changes occurring in theater architecture and scene design, and on other innovative contributions made by playwrights, producers, and performers from the beginnings to the nineteenth century. The second semester will cover important developments from the nineteenth century to the present. <i>Three credit hours.</i>
†[231] SCENE DESIGN	The theory and art of scene design, focusing on analysis of the playwright's text to discover and solve the aesthetic and functional problems of achieving a viable design. Projects will include design drawings based on assigned plays. <i>Prerequisite:</i> Performing Arts 122 or permission of the instructor. <i>Three credit hours.</i>
†[232] STAGE LIGHTING	Theory and principles of stage lighting, with special emphasis on translating design ideas to the physical stage. Projects will include sketches and drafted light plots based on assigned plays, operas, musicals, and dance (ballet and modern). Attendance at Performing Arts and Powder and Wig productions required. <i>Prerequisite:</i> Performing Arts 122 or permission of the instructor. <i>Three credit hours.</i>
*241, 242 INTRODUCTION TO THE ART OF DANCE MS. MITCHELL-WENTZEL	A historic survey of the art of dance from its primitive ritual beginnings to its development as an art form in Western civilization. The course includes lectures, films, an introduction to basic theory, composition, and movement experience. No dance experience necessary. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i>
†[272] ACTING II	Theory and technique of stage performance for those with experience in performance. Scenes and short plays. Admission to course based on the presentation of one three-minute scene, prepared and memorized. Auditions will be held the morning of registration. <i>Prerequisite:</i> Performing Arts 171 or permission of instructor. <i>Three credit hours.</i>
†[274] PERFORMING THE CLASSICS	Diction, style, and interpretation in classical theater. Memorized scene work from one Greek drama, one Shakespearean drama, and from <i>She Stoops to Conquer</i> . <i>Prerequisite:</i> Performing Arts 171 or permission of the instructor. <i>Three credit hours.</i>

<p>341, 342 MODERN DANCE COMPOSITION AND THEORY MS. MITCHELL-WENTZEL</p>	<p>Theories, philosophies, and development of twentieth-century American contemporary dance through readings, films, and direct movement experience. <i>Prerequisite:</i> Performing Arts 242 and permission of the instructor. <i>Three credit hours.</i></p>
<p>353 DANCE REPERTORY MS. MITCHELL-WENTZEL</p>	<p>Advanced applied dance theory. Study and performance of existing or new works choreographed by faculty and by other commissioned professionals or reconstructed through use of such techniques of recording dance works as Laban's notations in his motion studies. <i>Prerequisite:</i> Performing Arts 341, 342 (may be taken concurrently), participation in Colby Dancers, or permission of the instructor. <i>Three credit hours.</i></p>
<p>354 DRAMA IN PERFORMANCE II MR. AZZARETTI AND MR. SEWELL</p>	<p>A study of the works of a playwright, genre, or period, for students who will be cast members and designers for a production of one or more of the plays studied. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY FACULTY</p>	<p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>One to four credit hours.</i></p>

Philosophy

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

Chairman, PROFESSOR YEAGER HUDSON

Professors Robert Reuman, Gustave Todrank, Francis Parker, and Hudson; Associate Professors Robert McArthur¹ and Thomas Longstaff; Instructor Paula Richman.

“Philosophy,” as William James put it, “is an attempt to think without arbitrariness or dogmatism about the fundamental issues.” One of the core disciplines of the liberal arts, philosophy provides a unique perspective on human and social problems. As a critical and an integrative discipline, it collects the questions that arise from the basic principles of all areas of knowledge. Our program features a sequence of courses dealing with both Western and Eastern intellectual and philosophical history, as well as courses treating the major philosophical issues.

Requirements for the major in philosophy:

Philosophy 152, 211, 331, 332, 353, and 12 additional hours in philosophy, only six of which may be in 100-level courses.

Requirements for the major in philosophy and religion:

Religion 211, 212, 233, 234, 316. Philosophy 152, 211, 331, 332, 372, 373.

For each of the above majors, at least one independent study project of at least three credit hours (philosophy or religion) must be taken in January or one of the semesters of the junior or senior year, in addition to the requirements specified above.

A maximum of two courses, not to include any specifically prescribed courses, may be taken on a pass/fail basis in partial fulfillment of the requirements for the above majors. No specifically prescribed course may be taken on a pass/fail basis to satisfy major requirements. The point scale for retention of each of the above majors applies to all other courses that count toward the major.

Requirements for the major in philosophy-mathematics:

In philosophy: 152 and either 111 or 211; 258, 331, 332; and one further course in the department.

In mathematics: at least 18 credit hours, including 221, 222, 361.

At least one independent study project in mathematics or philosophy, of at least three credit hours, must be taken in January or one of the semesters.

Attention is called to the interdepartmental major in classics-philosophy (see list of requirements under Classics), and to the interdisciplinary major in human development.

¹Part-time.

111
CENTRAL PHILOSOPHICAL
ISSUES: SELF AND SOCIETY
MR. PARKER

An introduction to philosophy by a consideration of two of its central branches: social and political philosophy and ethics. Some of the issues addressed are: the nature of political power, individual rights, the good society, the nature of morality, and whether there are moral absolutes. These issues are approached through readings from several of the great philosophers of the West, such as Plato, Aristotle, Locke, Rousseau, and Mill. Formerly listed as Philosophy 133. *Three credit hours.*

*113d2
CENTRAL PHILOSOPHICAL
ISSUES: PHILOSOPHICAL
ANTHROPOLOGY
MR. HUDSON

An introduction to philosophy through a comparative study of theories about the nature and destiny of man. Is man "a little lower than the angels" or barely above the beasts? Readings from philosophers, anthropologists, ethnologists, sociobiologists, and literary figures. *Three credit hours.*

114d CENTRAL PHILOSOPHICAL ISSUES: NATURE AND GOD MR. HUDSON, MR. PARKER	An introduction to philosophy by a consideration of three of its central issues: knowledge, reality, and God. Some questions addressed are: how can we obtain knowledge, can we achieve certainty, how can we distinguish between appearance and reality, is it reasonable to believe in God, and how can evil be explained? These issues are approached through readings from several of the great philosophers of the West, such as Descartes, Berkeley, Hume, Aquinas, and Tillich. Formerly listed as Philosophy 134. <i>Three credit hours.</i>
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[116] CENTRAL PHILOSOPHICAL ISSUES: THE GOOD LIFE	An introduction to philosophy through an exploration of the theme of the good life in works of philosophy and imaginative literature. Such authors as Plato, Thoreau, Tolstoy, and Arthur Miller will be read. <i>Three credit hours.</i>
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[118] CENTRAL PHILOSOPHICAL ISSUES: PHILOSOPHY OF LAW	An introduction to philosophy by a consideration of the interrelations between law, philosophy, and logic. Topics will include the nature and foundation of legal systems, the relation of law to morality, the limits of law, punishment, justice, and legal reasoning. <i>Three credit hours.</i>
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152d LOGIC INSTRUCTOR	The techniques of formal reasoning and their application to argumentation in ordinary language. Formerly listed as Philosophy 112. <i>Three credit hours.</i>
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[153j] NONVIOLENCE	Readings and discussion will focus on the following areas: theoretical considerations and definitions, the nature and advocates of violence, aggression, civil disobedience, Satyagraha, nonviolence and violence in American race relations, violence in American society, international conflict, and conflict resolution. <i>Three credit hours.</i>
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211 MORAL PHILOSOPHY MR. REUMAN	Consideration of various philosophical theories about the bases of judgment on questions of good and bad, right and wrong, with lesser attention to the application of ethical principles to problem cases. <i>Three or four credit hours.</i>
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†[236] SOCIAL PHILOSOPHY	Readings from Plato, Locke, Rousseau, Marx, and others; their relevance to contemporary problems. <i>Three or four credit hours.</i>
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†[258] INTERMEDIATE LOGIC	A treatment of philosophical problems arising from logic and mathematics, e.g., the nature of axiomatic theories, the limitations of the axiomatic method, the nature of logical and mathematical truth, nominalism and realism, and the relation of logic to philosophy. <i>Prerequisite:</i> Philosophy 152 or permission of the instructor. <i>Three credit hours.</i>

271 CIVILIZATION AND ENVIRONMENT IN CONFLICT MR. TODRANK	Listed as Religion 271 (q.v.). <i>Three or four credit hours.</i>
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272 CULTURAL EUTHENICS: CONTEMPORARY CULTURE IN TRANSITION MR. TODRANK	Listed as Religion 272 (q.v.). <i>Three or four credit hours.</i>
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[277, 278] PHILOSOPHICAL PERSPECTIVES	Interdisciplinary considerations of various topics, involving lecturers from several departments. <i>Three credit hours.</i>
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*293j SEMINAR ON SOCRATES MR. PARKER	The character, teaching, and influence of Socrates, using Plato's Socratic dialogues, Xenophon, Aristophanes, and modern critical interpretations. Seminar format, focusing on student papers and commentaries. <i>Three credit hours.</i>
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*298 APPLIED ETHICS MR. REUMAN	The interrelationship between moral principles and problem cases as a way of clarifying both theoretical concepts and practical policies. Emphasis on the problem cases themselves, including areas such as abortion, euthanasia, civil disobedience, lying, affirmative action, experimentation, and genetic intervention. <i>Prerequisite:</i> Philosophy 211 or permission of the instructor. <i>Three credit hours.</i>
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[316] METAPHYSICS	A study of classical Aristotelian metaphysics developed into modern times and its use as a perspective on modern metaphysical views such as existentialism and essentialism and also on such topics as the scope and grasp of being and its modes, the analogical method and fundamental principles of metaphysics, possibility and actuality, contingency and necessity, substance and accident, and causation and freedom. <i>Prerequisite:</i> One course in philosophy or permission of the instructor. <i>Three or four credit hours.</i>
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*317 PHILOSOPHY OF SCIENCE INSTRUCTOR	Inductive logic and problems in the philosophy of science. Observation, law, explanation, theory, and associated concepts in the social and natural sciences will be considered. <i>Three credit hours.</i>
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†[318] ETHICS AND GENERAL THEORY OF VALUE	Philosophic approaches to the nature of value, especially ethical judgments. Among the views considered will be intuitionism, emotivism, "good reasons" theory, and those relating to scientific findings.
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Prerequisite: Philosophy 211 or permission of the instructor. *Three credit hours.*

331 HISTORY OF ANCIENT PHILOSOPHY MR. PARKER	Comparative study of the philosophical systems of Plato and Aristotle, with secondary attention to the pre-Socratics, Socrates, Epicurus, the Stoics, and Plotinus. <i>Four credit hours.</i>
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332 HISTORY OF MODERN PHILOSOPHY MR. REUMAN	European philosophy from Descartes to the nineteenth century, with special attention to the works of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. <i>Four credit hours.</i>
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†[333] PHILOSOPHY OF EDUCATION	Philosophical positions held by theorists from Plato to Dewey; primarily for teacher candidates majoring in subjects commonly taught in high schools. Other students may elect this course with permission of the instructor. <i>Three or four credit hours.</i>
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*352 AMERICAN PHILOSOPHY MR. HUDSON	American philosophical thought from the colonial period to the early twentieth century with special emphasis on American pragmatism. Thinkers treated include Edwards, Emerson, Thoreau, Peirce, James, and Dewey. <i>Three credit hours.</i>
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353 CONTEMPORARY ANALYTIC PHILOSOPHY INSTRUCTOR	Major figures in the analytic tradition from 1900 to the present, with particular emphasis on Russell, Wittgenstein, and Quine. <i>Prerequisite:</i> Two semester courses in philosophy or permission of the instructor. <i>Three credit hours.</i>
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[355] INDIAN THOUGHT	Types of Indian philosophy of the ancient period. <i>Prerequisite:</i> Two semester courses in philosophy and/or religion; no previous Indian thought. <i>Three credit hours.</i>
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*356d1 INDIAN THOUGHT MR. HUDSON	The development of Indian philosophy and intellectual history from the beginning of the Indian Renaissance in the late eighteenth century to the present. Readings from such thinkers as Gandhi, Tagore, Ramakrishna, Vivekananda, and Radhakrishnan. <i>Three credit hours.</i>
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*359 NINETEENTH-CENTURY PHILOSOPHY MR. REUMAN	Post-Kantian thinkers such as Hegel, Marx, Kierkegaard, Schopenhauer, Nietzsche, and Bergson. Special attention to the revolt against reason, evolution, and alienation. <i>Prerequisite:</i> Philosophy 332 or permission of the instructor. <i>Four credit hours.</i>
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<p>*372 PHILOSOPHY OF RELIGION MR. PARKER</p>	<p>Some of the principal philosophical problems concerning the nature and justification of religious belief and experience, problems such as the nature of God, arguments for the existence of God, the problem of evil, mysticism, and the relation of faith and reason.</p> <p><i>Prerequisite:</i> One course in philosophy or religion, or permission of the instructor. <i>Three or four credit hours.</i></p>
<p>†[373] HISTORY OF MEDIEVAL PHILOSOPHY</p>	<p>History of philosophy from Augustine to Ockham. The principal issue studied is the problem of the reconciliation of faith and reason in the work of the scholastics.</p> <p><i>Prerequisite:</i> Philosophy 331. <i>Three or four credit hours.</i></p>
<p>[374] EXISTENTIALISM AND PHENOMENOLOGY</p>	<p>A survey of the principal thinkers of existential philosophy, with minor attention to phenomenology. Readings will be from such philosophers as the following: Kierkegaard, Nietzsche, Jaspers, Heidegger, Sartre, Buber, and Husserl. Philosophy 359 is a desirable background but is not required. Seminar format.</p> <p><i>Prerequisite:</i> One course in philosophy or permission of the instructor. <i>Four credit hours.</i></p>
<p>†[391, 392] PHILOSOPHY SEMINAR</p>	<p>Seminars in selected areas of philosophy. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY FACULTY</p>	<p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.</p> <p><i>Prerequisite:</i> Permission of the instructor. <i>One to four credit hours.</i></p>
<p>494 PHILOSOPHY SEMINAR MR. MCARTHUR AND MR. SWENEY</p>	<p>Seminars in selected areas of philosophy. Spring 1983: "Good and Evil." This interdisciplinary, team-taught seminar for seniors will explore the question of the existence of evil and the nature of "the good" in works of philosophy and imaginative literature. <i>Three credit hours.</i></p>

Physical Education

Chairman, ASSISTANT PROFESSOR RICHARD MCGEE
Assistant Professor McGee; Adjunct Assistant Professors Waldo Covell, Carl Nelson, Richard Whitmore, Robert Ewell, Thomas Kopp, James Wescott, Gene DeLorenzo, Michel Goulet, Richard Bell, and Deborah Pluck; Adjunct Instructor Laura Carson.

The department of physical education and athletics offers required and

voluntary physical education classes, intramural sports, intercollegiate athletics (varsity and junior varsity), and informal recreational activities.

Physical Education 1, 2: two semesters of physical education are required of all Colby students for graduation. Waivers are available for members of varsity or junior varsity teams.

A program of instruction in a wide variety of activities is offered on a coeducational basis. Activities presently in the program are *aquatics*: swimming, life saving, water-safety instructors' course, canoeing, scuba; *leisure-time sports*: tennis, racquetball, golf, squash, skating, figure skating, bicycling, skiing, cross-country skiing, fencing, badminton, riding; *dance*: modern, folk, ballet, ballroom; *team sports*: volleyball; *other activities*: yoga, conditioning, hiking.

091j
ADVANCED FIRST AID AND
BACKCOUNTRY SKILLS I
MR. NELSON, SPONSOR

Instruction in emergency care and backcountry skills, taught from the aspect of off-the-road situations, stressing environmental emergencies, improvisation of equipment, and long-term patient care. Topics include equipment, nutrition, orienteering, low-impact camping, snowshoeing, and cross-country skiing. Successful completion of both a practical and a written examination will be necessary for January program credit, and will qualify the student for American Red Cross Advanced First Aid and CPR certification. *Noncredit.*

092j
WINTER BACKCOUNTRY
SKILLS II
MR. NELSON, SPONSOR

After an initial recertification of first aid and review of basic outdoor skills learned in Advanced First Aid and Backcountry Skills I, the course will be divided into three sections: cross-country skiing and orienteering, snowshoeing and emergency bivouac, and winter mountain travel with crampons and ice axes. Within each section, participants will become familiar with equipment and techniques as well as the hazards and injuries associated with each type of winter activity. Most work will take place out-of-doors with a two-day backcountry trip to practice specific techniques, during which students will be called upon to demonstrate emergency techniques. Each student will be expected to maintain a daily natural history and experiential journal. Successful completion of both a practical and written exam will be necessary for January program credit and for recertification in Advanced First Aid and CPR. *Noncredit.*

[211, 212]
COACHING OF TEAM SPORTS
AND ADMINISTRATION OF
ATHLETICS

Principles and methods of coaching team sports. Policies and practices in organization and administration of athletic programs. Brief exposure to physiology of exercises and care and prevention of athletic injuries.

Prerequisite: Permission of the instructor. *Three credit hours.*

[323, 324]

**PRINCIPLES AND METHODS OF
PHYSICAL EDUCATION**

Policies, practices, standards, and educational methods of secondary-school physical education and coaching of individual sports. Physiology of exercise, prevention and care of athletic injuries. May be coordinated with education courses to include practice teaching.

Prerequisite: Permission of the instructor. *Three credit hours.*

**PHYSICAL EDUCATION
ACTIVITIES**

Activity courses may be taken to fulfill the physical education requirement or as electives. Most activities last one season (one half semester). Exceptions are so noted on transcripts and in materials available from the physical education department. Registration is made through the physical education department. *Noncredit.*

Physics

IN THE DEPARTMENT OF PHYSICS AND ASTRONOMY

Chairman, ASSOCIATE PROFESSOR ROGER METZ

Associate Professors John Dudley and Metz; Assistant Professor Murray Campbell.

The department seeks to train students to think analytically in terms of the fundamental principles of physics. Subject matter in introductory courses is selected to illustrate basic laws with wide applicability and to help prepare students to enter professions such as medicine, law, and business. Advanced course offerings provide excellent background for graduate study in physics, astronomy, engineering, and computer science. Special emphasis is placed upon independent work and cooperative research with the faculty, using the department's machine, electronic, and technical shops, as well as both campus and departmental computers. Computer electronics and infrared astronomy are areas of current interest in the department.

Requirements for the major in physics:

Twenty-eight credit hours in physics: including 121, 122, 211, 232, 321, 333; Mathematics 121, 122, 221, 222. A comprehensive examination is normally required in the senior year.

Students preparing for graduate work in a physics-related science or engineering should plan to elect at least 12 additional hours of physics, including 152, 322, 331, and six additional hours of mathematics, including 311. For students planning graduate work in physics or astronomy, attention is drawn particularly to Physics 322, 332, 441, and 442. Mathematics 121, 122 should be taken during the freshman year. It is recommended that Chemistry 141, 142 be taken during the sophomore year.

Students seeking advanced standing in physics should consult the chairman of the department before electing courses.

At least one independent study project is required to be completed in the major during the junior or senior year.

The point scale for retention of the major applies to all courses taken in the Division of Natural Sciences. No requirement for the major may be taken pass/fail.

112 ENERGY AND THE ENVIRONMENT MR. DUDLEY	Principles and practice of energy generation, transformation and degradation, and the effects of the use of energy in the environment. Emphasis on scientific understanding of current problems in energy, rather than economic or political implications. Lecture and laboratory. Enrollment limited. <i>Three credit hours.</i>
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121, 122 GENERAL PHYSICS MR. METZ, MR. CAMPBELL	A quantitative introduction to the interpretation of theoretical and experimental problems in the fields of mechanics, thermodynamics, electricity and magnetism, optics, relativity, and quantum physics. Physics 211 may serve as a prerequisite for Physics 122. Lecture, laboratory, and discussion. <i>Prerequisite:</i> Mathematics 121 (for 121) and Mathematics 122 (for 122); may be taken concurrently. <i>Four credit hours.</i>
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†[151j] PROJECT IN PHYSICS	Individual or group work in experimental or theoretical physics. <i>Prerequisite:</i> Permission of the instructor. <i>Two or three credit hours.</i>
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152 ESSENTIAL ELECTRONICS MR. METZ	An introduction to modern electronics, including theory, experimentation, problem solving, and circuit design. The course starts by considering simple direct-current devices, and progresses to examining operational amplifiers, digital integrated circuits, and modern instrumentation. At each step, the significance of general concepts, such as regulation or feedback, is stressed. Self-paced. Lecture, discussion, and laboratory. Enrollment open to the limit of available equipment. <i>Four credit hours.</i>
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171j DATA ANALYSIS MR. DUDLEY	An introduction to treatment of physical data: dimensional analysis, approximations, analysis of uncertainty, elementary statistics, least-squares techniques, and methods of computer programming. <i>Three credit hours.</i>
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211 MECHANICS MR. DUDLEY	Theory of classical mechanics: Newton's laws, oscillatory motion, non-inertial reference systems, planetary motion, motion of rigid bodies, and Lagrangian mechanics. Lecture and discussion.

Prerequisite: Physics 121; Mathematics 221 (may be taken concurrently). Open to well-prepared freshmen (normally those with advanced placement in physics and mathematics) with permission of the instructor. *Four credit hours.*

232
ATOMIC PHYSICS
MR. METZ

An intermediate treatment of the quantum physics of atoms, including atomic models, Schroedinger theory, atomic spectra, and electron spin. Emphasis is placed on the experimental evidence for modern atomic theory.

Prerequisite: Physics 122 and Mathematics 222 (may be taken concurrently). *Four credit hours.*

251d
INDEPENDENT ELECTRONICS
MR. METZ

An independent, self-paced course in electronics. May be taken as a sequel to Physics 152 for the further study of digital electronics and computer circuits. Enrollment limited. *One to three credit hours.*

*291j
RESEARCH AND SEMINAR IN
PHYSICS AND ASTRONOMY
MR. CAMPBELL

Individual or small-group work in one of several areas; development of laboratory apparatus, development of astronomical equipment, analysis of infrared astronomical data, or literature review of topics in physics or astronomy. Each student will present a written report and seminar midway through January, and at the conclusion of his work.

Prerequisite: Permission of the instructor. *Two or three credit hours.*

321, 322
ELECTRICITY AND MAGNETISM
MR. CAMPBELL, MR. DUDLEY

First semester: a theoretical treatment of electrostatics and magnetostatics in vacuum and material media through Maxwell's equations. Second semester: a.c. circuits, electrodynamics, relativity, LaGrangian and Hamiltonian Theory, and applications. Lecture and discussion.

Prerequisite: Physics 122 and Mathematics 222 or permission of the instructor. *Four credit hours.*

331
SOLID STATE AND NUCLEAR
PHYSICS
MR. DUDLEY

A continuation of Physics 232, treating the physics of solids and nuclei and including quantum statistics, molecules, electrical conductivity, nuclear models, and elementary particles.

Prerequisite: Physics 232 or permission of the instructor. *Three credit hours.*

332
THERMODYNAMICS
MR. CAMPBELL

Concepts of temperature, energy, entropy, heat, and work, and their thermodynamic relations as developed from a microscopic point of view. Single and multicomponent systems are discussed, using both classical and quantum statistics. Lecture and discussion.

Prerequisite: Physics 211, 232, and Mathematics 222 (may be taken concurrently). *Four credit hours.*

<p>333, 334 EXPERIMENTAL PHYSICS FACULTY</p>	<p>Experimental work in classical and modern physics: fundamental physical constants, mechanics, radioactivity, diffraction, and atomic and nuclear spectroscopy. <i>Prerequisite:</i> Physics 211, 232. <i>Three credit hours.</i></p>
<p>351, 352 TUTORIAL IN PHYSICS OR ASTRONOMY FACULTY</p>	<p>Individual work for juniors or seniors on a subject of joint interest to the student and the instructor, involving close supervision, regular tutorial meetings, and active participation by both student and instructor. Topics in the past have included general relativity, nuclear reactors, fluid mechanics, and topics in astronomy. <i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i></p>
<p>441, 442 QUANTUM PHYSICS MR. METZ</p>	<p>First semester: an introduction to the mathematical formulations of nonrelativistic quantum mechanics, including Schroedinger wave mechanics, operator algebra, perturbation techniques, and electron spin. Applications to one-dimensional and simple three-dimensional systems are developed. Second semester: a continuation of the first semester, with applications as interests dictate. Lecture. <i>Prerequisite:</i> Physics 232 or permission of the instructor. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY FACULTY</p>	<p>Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>One to five credit hours.</i></p>

Portuguese

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

<p>*121, 122 PORTUGUESE AS A SECOND ROMANCE LANGUAGE MS. DOEL</p>	<p>The spoken and written language of Portugal and Brazil, utilizing previous knowledge of a Romance language. Extensive use is made of taped materials. <i>Prerequisite:</i> Successful completion of intermediate French or Spanish, or indication of equivalent proficiency by placement test. <i>Four credit hours.</i></p>
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Psychology

Chairman, PROFESSOR NICHOLAS ROHRMAN

Professors Paul Perez and Rohrman; Associate Professors Dorin Zohner and Lewis Lester; Assistant Professors Diane Kierstead and Edward Yeterian.

The psychology department seeks to fulfill three functions. First, to prepare students for graduate work in psychology and ultimately for careers in professional psychology as teachers, researchers, or practitioners. Second, to prepare students majoring in psychology to enter the business or professional community with a solid background in knowledge of human behavior and its determinants. Third, to provide service courses for students majoring in other fields for whom psychological knowledge may be useful. The department maintains a large seminar/meeting room on the fourth floor of the Lovejoy building adjacent to the laboratory space. The laboratory is equipped to conduct a fairly wide range of studies in human sensory, perceptual, and memory phenomena. Additional laboratory space in the Arey life sciences building includes animal facilities and surgery for physiological and comparative research. Future plans call for observation rooms suitable for developmental and social-psychological research. Currently the department is equipped with a microcomputer allowing real-time data acquisition and analysis, and a three-channel research-quality tachistoscope. The department stresses the scientific approach to the study of human behavior and requires a fairly extensive set of quantitative and experimental courses for all majors. Students are encouraged to conduct their own research. Thus far, Colby psychology majors have won 75 percent of the prizes for undergraduate-paper excellence given by the Maine Psychological Association at its annual scientific meeting.

Requirements for the major in psychology:

Psychology 111, 214, 215 (to be taken immediately following 214), 479, and 20 additional hours in psychology, to include three courses selected from 231, 232, 236, 238, 272, 273, 371, 372, 373, and three courses selected from 251, 253, 254, 255, 256, 274, 352, 354, and two biology courses selected from 112, 121, 122, 134, 212, 219.

Seniors must submit a score on the Psychology Advanced Test of the Graduate Record Examination.

No grade lower than C- in 111, 214, 215, 479, 494 may be counted toward the major.

The point scale for retention of the major applies to all courses offered toward the major as prescribed above. All requirements for the major must be met in conventionally graded courses.

Requirements for the major in psychology-mathematics:

In psychology: 111, 214, 215, 371, 479, 494, and six additional hours, to include at least two of the following courses: 231, 232, 272, 273, 274.

In mathematics: 381, 382; at least 12 additional credit hours, of which six must be at the 300 or 400 level.

The point scale for retention of the psychology-mathematics major applies to all courses offered toward the major. No requirement for the major may be taken pass/fail.

Attention is called to the interdisciplinary major in human development.

095j INTERNSHIP MR. PEREZ	Augusta Mental Health Institute internship program. Participants will reside at A.M.H.I. and work in various wards during the month, attending grand rounds and some staff conferences. Primarily experiential. <i>Prerequisite:</i> Interview with sponsor. <i>Noncredit.</i>
111d INTRODUCTION TO PSYCHOLOGY FACULTY	An overview of contemporary psychology, introducing concepts and methods current in the field. Multisectioned. <i>Three credit hours.</i>
214d RESEARCH METHODS MS. KIERSTEAD, MR. LESTER	Discussion of research activities in psychology, literature search, planning and execution of experiments, other techniques of data gathering. Basic statistical principles and the interpretation of research findings. <i>Prerequisite:</i> Psychology 111. <i>Three credit hours.</i>
215d, 215j PSYCHOLOGICAL RESEARCH MS. KIERSTEAD, MR. LESTER	Each student will conduct a research project designed in Psychology 214, utilizing statistical procedures and data analysis techniques acquired in 214. Must be taken immediately following 214. <i>Prerequisite:</i> Psychology 214. <i>One credit hour.</i>
231 CONDITIONING AND INSTRUMENTAL LEARNING MR. YETERIAN	Principles of learning derived from Pavlovian and operant conditioning and their application to animal and human behavior. Lecture and laboratory. <i>Prerequisite:</i> Psychology 111. <i>Four credit hours.</i>
232 COGNITIVE PSYCHOLOGY MR. ROHRMAN	The human information-processing system: how stimulus information is transformed, stored, retrieved, and used. Lecture and laboratory. <i>Prerequisite:</i> Psychology 111. <i>Four credit hours.</i>
236 COMPARATIVE PSYCHOLOGY MR. YETERIAN	A comparative examination of animal behavior from a psychological viewpoint, with emphasis on similarities and differences between species. Topics will include genetic background, development of behavior, instinctive behavior, motivation, and learning. <i>Prerequisite:</i> Psychology 111. <i>Three credit hours.</i>
238 PSYCHOLOGY OF LANGUAGE MR. ROHRMAN	Selected topics in psycholinguistics, language and thought, the role of linguistic entities in psychological processes, propaganda and persuasion. Will normally include an independent project. <i>Prerequisite:</i> Psychology 111 and permission of the instructor. <i>Three credit hours.</i>

251 PSYCHOLOGY OF PERSONALITY INSTRUCTOR	Major systematic interpretations and current research in the psychology of personality, with a focus on psychodynamic, behavioristic, and humanistic approaches. <i>Prerequisite:</i> Psychology 111. <i>Three credit hours.</i>
253 SOCIAL PSYCHOLOGY MR. LESTER	Representative topics in contemporary social psychology: affiliation, social perception, attribution, attraction, aggression, attitudes, cognitive dissonance, conformity, compliance, and group dynamics. <i>Prerequisite:</i> Psychology 111. <i>Three credit hours.</i>
254 ABNORMAL PSYCHOLOGY MR. LESTER	The etiology, diagnosis, and treatment of abnormal behavior, with emphasis on theoretical approaches, clinical syndromes, and current research. <i>Prerequisite:</i> Psychology 251, or 111 and permission of the instructor. <i>Three credit hours.</i>
255d CHILD DEVELOPMENT MR. ZOHNER	Principles of psychological development from conception through pre-adolescence, from a biological, sociocultural, and psychodynamic perspective. See also Education 253. <i>Prerequisite:</i> Psychology 111. <i>Three credit hours.</i>
256 ADOLESCENT AND ADULT DEVELOPMENT MR. ZOHNER	Principles of psychological development from adolescence through senescence. Particular emphasis will be placed on the individual's typical attempts to cope with changes in physical structure, social roles, and personal identity. See also Education 253. <i>Prerequisite:</i> Psychology 255. <i>Three credit hours.</i>
272 PHYSIOLOGICAL PSYCHOLOGY MR. YETERIAN	The study of neural processes underlying experience and behavior; the ways in which the nervous system codes perception, movement, hunger, sleep, attention, motivation, memory, and learning. <i>Prerequisite:</i> Psychology 214 and two semester courses in biology, or permission of the instructor. Lecture only: <i>three credit hours</i> ; lecture and laboratory: <i>four credit hours.</i>
273 SENSATION AND PERCEPTION MS. KIERSTEAD	The major human senses (vision, audition, somesthesia, taste, smell) studied as physiological systems and as intermediaries between the physical and perceived environments. <i>Prerequisite:</i> Psychology 214 or permission of the instructor. <i>Three credit hours.</i>
*274 PSYCHOLOGICAL TESTS AND MEASUREMENTS MR. LESTER	The theory and problems of psychological measurement, with special emphasis on the construction and application of psychological tests. <i>Prerequisite:</i> Psychology 214 or permission of the instructor. <i>Three credit hours.</i>

<p>*352d1 PSYCHOLOGY OF EXCEPTIONAL CHILDREN MR. ZOHNER</p>	<p>The origins and implications of cognitive, sensory, emotional, and physical handicaps for development will be explored and discussed. Models for intervention and/or remediation at each age level and their developmental outcomes will be examined. See also Education 373. <i>Prerequisite:</i> Psychology 255. <i>Three credit hours.</i></p>
<p>†[354] SEMINAR IN CLINICAL PSYCHOLOGY</p>	<p>In-depth exploration of selected topics in personality and abnormal psychology. Will normally include an independent research project. <i>Prerequisite:</i> Psychology 254 and permission of the instructor. <i>Three credit hours.</i></p>
<p>†[371] ADVANCED EXPERIMENTAL PSYCHOLOGY</p>	<p>Experimental design and application of inferential statistics. Strongly recommended for those students interested in graduate school. <i>Prerequisite:</i> Psychology 272 or 273 or 274. <i>Three credit hours.</i></p>
<p>375 NEUROSCIENCE SEMINAR MR. YETERIAN</p>	<p>In-depth examination of major issues in physiological and neural psychology. Will include topics such as hemispheric specialization, neural substrates of learning and memory, physiological bases of behavior disorders, drugs and behavior, and psychosurgery. Coverage of topics will be integrative, including both basic research, involving animals, and human clinical data. An independent research topic may be undertaken for augmented credit. <i>Prerequisite:</i> Psychology 272 or permission of the instructor. <i>Three or four credit hours.</i></p>
<p>*376 SEMINAR IN VISION MS. KIERSTEAD</p>	<p>A detailed examination of the characteristics of the human visual system. Will normally include an independent research project. <i>Prerequisite:</i> Psychology 273 and permission of the instructor. <i>Three credit hours.</i></p>
<p>479 HISTORY AND SYSTEMS OF PSYCHOLOGY MR. ROHRMAN</p>	<p>The historical background of modern psychology and the development of such systematic viewpoints as behaviorism, Gestalt psychology, and psychoanalysis. <i>Prerequisite:</i> Senior standing as a psychology major or permission of the instructor. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY FACULTY</p>	<p>Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the department. <i>One to four credit hours.</i></p>
<p>494 SENIOR SEMINAR MS. KIERSTEAD</p>	<p>An integrative approach to selected problem areas in psychology. Students will be expected to prepare and deliver seminar papers on advanced topics. <i>Prerequisite:</i> Senior standing as a psychology major. <i>Three credit hours.</i></p>

Public Policy

Director, ASSOCIATE PROFESSOR THOMAS TIETENBERG; *Codirector*, ASSOCIATE PROFESSOR CALVIN MACKENZIE

ADVISORY COMMITTEE: *Professors Mackenzie (Government), James Meehan (Economics), Sonya Rose (Sociology), and Tietenberg (Economics).*

The public policy program is an interdisciplinary concentration that builds upon foundations of economics and government to enable students to engage in thoughtful and sophisticated analysis of important public policy issues. The public policy concentration, available in the economics and government majors, is designed to develop in Colby students the ability to apply the methodologies and accumulated knowledge of several disciplines to complex public problems through a combination of classroom, independent research, and work experiences.

The requirements of this program are shaped by its three substantive objectives: (1) to reveal the broad dimensions of important public policy issues, the interests they crosscut, and the value conflicts they present; (2) to provide an understanding of the operations of the public-policy-making process in the United States—its political and economic dynamics, its biases, and the parameters it establishes for policy makers; (3) to provide the conceptual and analytical skills needed to conduct independent evaluations of proposed and existing public policies.

Requirements for the concentration in public policy:

It is anticipated that all requirements listed below will be completed before the beginning of the senior year.

(1) *Method courses*, to examine the major approaches to, and techniques for, the study of policy issues. The following courses are required.

ADMINISTRATIVE SCIENCE: 271 Introduction to Decision Making.

ECONOMICS: 233 Macroeconomic Theory or 234 Microeconomic Theory.

One of the following: GOVERNMENT 311 Introduction to Social Science Research or ECONOMICS 394 Econometrics or SOCIOLOGY 271 Introduction to Sociological Research Methods or MATHEMATICS 231 Elementary Statistics and Regression Analysis.

PHILOSOPHY: 211 Moral Philosophy.

(2) *Process courses*, to explore the processes by which public policies are designed, enacted, and implemented. GOVERNMENT 317 The Policy-Making Process is required, and at least one course each in economics and government drawn from the following list.

ECONOMICS: 313 Topics in Law and Economics; 338 Money, Banking, and Monetary Policy; 351 Public Finance; 352 Fiscal Policy.

GOVERNMENT: 273 The American Congress; 274 The American Presidency; 314 American Constitutional Law; 377 Special Problems in Local Government; 392 The Administrative Process; 393 State and Local Government.

(3) *Practical applications.* During the junior year, each student will put together a comprehensive program of study of a selected policy issue. This program will consist of two courses from different departments, whose content bears directly on the issues selected, and an internship in some organization with an interest in, or responsibility for, policy making in the area of the student's substantive concentration. The internship may be undertaken during January, the summer, or an academic semester, and will culminate with a short research paper analyzing the issues to which the student was exposed.

During the senior year, a seminar in public policy analysis is required. This will be taught jointly by two faculty members from different departments, and will focus on independent, multidisciplinary student research.

Regional and Canadian Studies

Director, ASSOCIATE PROFESSOR JONATHAN WEISS

ADVISORY COMMITTEE: *Professors Charles Bassett (English), Miriam Bennett (Biology), Roger Bowen (Government), Patrick Brancaccio (English), Peter Harris (English), Jonas Rosenthal (Sociology), Thomas Tietenberg (Economics), and Weiss (Modern Foreign Languages).*

The regional and Canadian studies program fosters and encourages the comparative study of northern New England and eastern Canada (Québec and the Maritime Provinces). From its beginning in 1978, with the help of a grant from the National Endowment for the Humanities, the program has promoted increased awareness of the varieties of cultures, languages, and political systems that surround us in Maine. A lecture series brings speakers from Canada and New England; January programs offer students the opportunity to study in Canada and to do field work within the state. Colby works closely with the Canadian-American Center at the University of Maine, and students have full access to the center's resources. Colby students may, if they desire, spend a semester or an academic year at a Canadian university.

The program offers no major, but coordinates existing courses in regional studies and promotes new ones. Because of their experimental nature, many courses in regional and Canadian studies have been of-

ferred on a temporary basis; these include Comparative Canadian and American Literature, Canadian Art and Architecture, and The Franco-American Experience in New England. Students are advised to check the course-description list at registration time to see what new courses are being offered. Permanent courses in regional and Canadian studies include:

AMERICAN STUDIES: 297 Comparative Canadian Literature.

BIOLOGY: 354 Marine Ecology; 356 Inland Ecology.

ECONOMICS: 294 Urban and Regional Economics.

EDUCATION: 294 Comparative History of Women's Education.

FRENCH: 235 Québec in Transition; 351 French Canadian Literature.

GEOLOGY: 324 Map Interpretation and Geomorphology of the United States; 371 Glacial Geology.

Religion

IN THE DEPARTMENT OF PHILOSOPHY AND RELIGION

Chairman, PROFESSOR YEAGER HUDSON

Professors Robert Reuman, Gustave Todrank, Francis Parker, and Hudson; Associate Professors Robert McArthur¹ and Thomas Longstaff; Instructor Paula Richman.

The study of religion in a college curriculum involves the historical and comparative scrutiny of the world's religious traditions: Christianity, Judaism, Islam, Buddhism, Hinduism, Confucianism, and Shinto. Inevitably, the examination of basic questions about religion, such as the existence and nature of God, religious experience, and the role of religion in society, are central to the discipline.

Requirements for the major in religion:

Religion 111, 112, 211, 212, 233, 234, 316, and two additional courses in religion, at least one of which must be at the 300 level or higher.

While Philosophy 372 and 373 are not required, they are highly recommended and may be used to satisfy the requirement of two additional courses in religion.

Requirements for the major in philosophy and religion:

Religion 211, 212, 233, 234, 316. Philosophy 152, 211, 331, 332, 372, 373.

For each of the above majors, at least one independent study project of at least three credit hours (philosophy or religion) must be taken in January or one of the semesters of the junior or senior year, in addition to the requirements specified above.

A maximum of two courses, not to include any specifically pre-

scribed courses, may be taken on a pass/fail basis in partial fulfillment of the requirements for the above majors. No specifically prescribed course may be taken on a pass/fail basis to satisfy major requirements. The point scale for retention of each of the above majors applies to all other courses that count toward the major.

¹Part-time.

<p>111 THE RELIGIOUS ROOTS OF WESTERN CULTURE MR. TODRANK</p>	<p>The origins and legacies of primitive civilizations in the Mediterranean world as they relate to the historical development of early Western religion and culture. The central concerns are: the gods and God in cultural context, the character and destiny of mankind, and the role of the interpretations of nature and history, prior to the Middle Ages. Formerly listed as Religion 121. <i>Three credit hours.</i></p>
<p>112 THE HERITAGE OF MODERN WESTERN RELIGION MR. TODRANK</p>	<p>An analysis of the historical sequence of cultural transformations as represented in the Middle Ages, the Renaissance, the Protestant Reformation, the Enlightenment, and the more recent revolutions in the nineteenth and twentieth centuries. The unifying theme will be the investigation of the gradual reversal of the order of religious priorities from the earlier—God, man, nature, history—to the more recent version—nature, history, man, God. Religion 111 recommended but not required. Formerly listed as Religion 122. <i>Three credit hours.</i></p>
<p>171j MODERN MORALS FOR MODERN MEDICINE MR. TODRANK</p>	<p>The central issues in medical ethics, including such traditional problems as contraception, abortion, euthanasia, and the problems resulting from more recent breakthroughs in medical science and technology, including genetic counseling and engineering, in vitro fertilization, fetal experimentation, organ transplantation, biochemical and electronic behavior modification, and the like. <i>Three credit hours.</i></p>
<p>211 RELIGIONS OF SOUTH ASIA MS. RICHMAN</p>	<p>A selective study of Hinduism, Buddhism, and Islam in India and Sri Lanka, examining both religious texts and the cultural context from which they developed. Cultural aspects to be investigated include "caste" in the religious order, the Buddhist concept of righteous kingship, sacred authority in Islamic South Asia, and the relationship between urban and rural forms of religiosity. <i>Three credit hours.</i></p>
<p>212 RELIGIONS OF EAST ASIA MS. RICHMAN</p>	<p>A selective study of Buddhism, Confucianism, Taoism, and Shinto in China and Japan, examining the origins and development of these religious traditions through a study of representative texts and their historical contexts. Particular attention will be given to Zen (Ch'an) meditation, monasticism as a religious and economic institution, Confucian writings and the Chinese state, the assumptions behind alchemy, and religious militancy in modern Japan. <i>Three credit hours.</i></p>

***217**
RELIGION IN AMERICA
MR. LONGSTAFF

A survey of the religious elements in American history as they are related to the broader aspects of American culture. Attention will be given to the beliefs and practices of Protestantism, Catholicism, and Judaism and to the issues, past and present, that are important for understanding religion in America. *Three or four credit hours.*

***218**
BUDDHIST STORY LITERATURE
IN EAST ASIA
MS. RICHMAN

Focus on four examples of Buddhist story literature: canonical accounts of the Buddha's preaching, tales of the Buddha's past births (Jātakas), a Chinese story of a monk's pilgrimage to obtain scripture (Hsi-yu Chi), and a Japanese collection of stories on the fruits of one's karma (Nihon Ryōiki). The ways in which these texts reflect particular Indian, Japanese, and Chinese formulations of the Buddhist worldview will be explored. *Three credit hours.*

233
BIBLICAL LITERATURE I
MR. LONGSTAFF

An introduction to the literature of the Hebrew Bible (the Old Testament) in terms of its historical context, its original meaning, and its significance in the contemporary world. The narratives, prophecies, and other literary forms are studied against the background of the history of Israel in order to understand the history and religion of the people for whom this literature became normative scripture. Students desiring augmented credit may concurrently enroll in Religion 351 for two credit hours. Formerly listed as Religion 223. *Three credit hours.*

234
BIBLICAL LITERATURE II
MR. LONGSTAFF

Intended as a sequel to Religion 233; an introduction to the specifically Christian scriptures (the Old Testament Apocrypha and the New Testament). Beginning with the intertestamental period, an exploration of the literature which reflects the background and earliest stages of the Christian movement. Attention is given to the historical and cultural context of the literature, the development of early Christian theology, and its significance for the contemporary world. Students desiring augmented credit may concurrently enroll in Religion 352 for two credit hours. Formerly listed as Religion 224. *Three credit hours.*

***235**
RELIGIONS OF THE OPPRESSED
MS. RICHMAN

Five case studies of religious movements arising out of some form of political, economic, or social "oppression": a Jewish seventeenth-century messianic movement, American slave religion, Melanesian cargo cults, Black Muslims in urban America, and untouchable Buddhists in India. Consideration will be given to the role of the conditions preceding the movements and to the prophet, cosmology, and rituals. *Three credit hours.*

***254j**
ISLAM AND THE MIDDLE EAST
MR. LONGSTAFF

An introduction to Islam, beginning with Muhammad and the Qur'an and exploring the major beliefs, practices, and institutions of this religion. Consideration will be given to the diversity within Islam (e.g.,

Sunni, Mu'tazilite, Sufi, Shi'ite, etc.) as well as to its general characteristics. Attention will be given both to Islam in its formative period and to Islam as a dominant religion in the contemporary Middle East. *Three credit hours.*

271

CIVILIZATION AND
ENVIRONMENT IN CONFLICT
MR. TODRANK

Part I: the current environmental-civilizational crisis in its global dimensions and its historical perspective, and the thesis that a deliberate cultural transformation is essential to human survival. Part II: an analysis of the basic ways in which contemporary humanity must revise its ideals and values, policies and practices, in economics, politics, ethics, and religion for a new world orientation. There will be frequent panel discussions with faculty members from various departments. *Three or four credit hours.*

272

CULTURAL EUTHENICS:
CONTEMPORARY CULTURE IN
TRANSITION
MR. TODRANK

Part I: an introductory review of the need for deliberate cultural transformation, and an analysis of the various bases and avenues for appropriate reform. Part II: an investigation of the nature of the institutional changes (in, for example, the family, the school, the church, the hospital, and the mortuary) necessary to reenforce the reform. Part III: some of the agencies and strategies that would facilitate the essential creative changes on an international scale. Student presentations to the class will be encouraged. *Three credit hours.*

[277, 278]

RELIGIOUS PERSPECTIVES

Interdisciplinary considerations of various topics. *Three credit hours.*

*316

CONTEMPORARY PERSPECTIVES
IN WESTERN THEOLOGY
MR. TODRANK

Traditions, trends, and recent developments in Western religious thought in the twentieth century. Part I: the characterization of the basic traditions at the turn of the century (i.e., Protestant, Roman Catholic, Jewish). Part II: major evolving trends to midcentury (e.g., biblical, philosophical, psychological, and sociological). Part III: a brief survey of developments since midcentury (e.g., death of God, black theology, liberation theology). Lectures, panels, films, and readings representative of each phase. Student presentations to the class will be encouraged. *Three credit hours.*

*351

JOB AND WISDOM
MR. LONGSTAFF

Wisdom literature is an international phenomenon usually transcending national and cultural interests and focusing on questions of value. The book of Job will be studied as the best example of this literary genre to be found in the canonical writings of Judaism and Christianity. Comparisons with other examples of ancient Near Eastern wisdom literature will be drawn, the authors' judgments about the values of life and faith will be discussed, and the question of the relevance of this literature in the modern world will be explored.

Prerequisite: Religion 233. *Three credit hours (two credit hours if taken concurrently with Religion 233).*

*352
THE THEOLOGY OF PAUL
MR. LONGSTAFF

Early Christian theology was more often shaped by the heat of controversy than by the calm analysis of theological reflection. Paul's letters, and the controversies that prompted them, will be studied as a basis for understanding Pauline theology, its relation to other elements of first-century religion, and its influence on later Western thought.

Prerequisite: Religion 234. *Three credit hours (two credit hours if taken concurrently with Religion 234).*

†[353]
THE GREAT PROPHETS OF
ISRAEL

An intensive study of several of the Old Testament prophets, their lives, and messages. The course will consider each prophet's impact on his own times, and will raise the question of the importance of prophecy in ancient and modern times.

Prerequisite: Religion 233. *Three credit hours (two credit hours if taken concurrently with Religion 233).*

†[358]
JESUS OF NAZARETH

An intensive study of the life and teachings of Jesus, employing the methods of gospel study developed in the nineteenth and twentieth centuries. The course will examine the canonical and extracanonical literature about Jesus, including recent studies of these materials. Attention will be given to the importance of the "quest for the historical Jesus" for contemporary Christianity.

Prerequisite: Religion 234. *Three credit hours (two credit hours if taken concurrently with Religion 234).*

*372
PHILOSOPHY OF RELIGION
MR. PARKER

Listed as Philosophy 372 (q.v.). *Three credit hours.*

†[373]
HISTORY OF MEDIEVAL
PHILOSOPHY

Listed as Philosophy 373 (q.v.). *Four credit hours.*

391, 392
RELIGION SEMINAR
MS. RICHMAN

Seminars in selected areas. Fall 1982: "Women and Religion in South Asia." The contrast between the religious roles of South Asian women as portrayed in religious texts with those described in anthropological field-work studies. Myths and religious epics describing goddesses as either benevolent, nourishing, and nonthreatening or malevolent, erotic, and dangerous will be analyzed. Attention will then be given to women's roles in domestic ritual, asceticism, monastic support, and religious education in modern India. Spring 1983: "Hindu Mythology." Students will read translations of myths about Vishnu, Shiva, and the manifold forms of the goddess from Indian collections. Issues investigated will include: India's many conflicting creation stories, demons who are good, the meaning of an androgynous deity, salvation

as advocated in Hindu myth, the applicability of Freudian and structuralist analysis to Hindu myths, and the rhetorical function of cosmology. *Three credit hours.*

491, 492
INDEPENDENT STUDY
FACULTY

Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work.
Prerequisite: Permission of the instructor. *One to four credit hours.*

Russian

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

Students interested in Russian are invited to consider an independent major (q.v.), combining their study of Russian with another area of concentration (another language or literature, art, economics, history, music, philosophy, sociology). Such students are encouraged to take advantage of various summer programs offered domestically and in the Soviet Union, and to compete for a place in a semester language program in Leningrad or Moscow.

001j
JANUARY IN THE USSR
MR. MILLER

A comprehensive introduction to the Soviet Union, its culture, and its people. Visits to four cities in the USSR: Moscow and Leningrad, the capitals of Russia; Kiev, the capital of the Ukraine; and Tallin, the capital of Estonia. In each city there will be meetings with Soviet youth, lectures on Soviet life, and other information programs. Excursions to museums and theater visits will increase the students' knowledge of Russian history, literature, and art.

Prerequisite: Permission of the sponsor. *Noncredit.*

121, 122
ELEMENTARY RUSSIAN
MR. MILLER

Introduction to the language by an audio-lingual method, with emphasis on understanding spoken Russian and on learning the structure of the language. The use of taped structural drills in the language laboratory is an integral part of the course. *Four credit hours.*

123, 124
INTERMEDIATE RUSSIAN
MR. MILLER

Continued study of grammar, with emphasis on vocabulary building, reading, and self-expression. The use of taped materials in the language laboratory continues as an integral part of the course.

Prerequisite: Russian 122 or two years of high school Russian and appropriate score on the placement test. *Four credit hours.*

*223, 224
RUSSIAN CULTURE AND
CIVILIZATION
MR. MILLER

An introduction to Russian civilization from its origins to the present day. Conducted in English; no knowledge of Russian required. *Three credit hours.*

225, 226

ADVANCED RUSSIAN
MR. MILLER

Grammar review and practice in oral and written expression. Additional practice in Russian phonetics and intonation. Analysis of literary and nonliterary texts of Modern Standard Russian. The course includes language laboratory work. Conducted in Russian and English.

Prerequisite: Russian 124 or permission of the instructor. *Four credit hours.*

†[237]

RUSSIAN LITERATURE IN
TRANSLATION I

A survey of the most important works in Russian literature from its beginning until Dostoevsky's death. Representative works of Pushkin, Lermontov, Gogol, Goncharov, Shchedrin, and Dostoevsky. *Three credit hours.*

†[238]

RUSSIAN LITERATURE IN
TRANSLATION II

Tolstoy through the Soviet period. Representative works of Tolstoy, Chekhov, Bely Mayakovsky, Sholokhov, Pasternak, and Solzhenitsyn. *Three credit hours.*

491, 492

INDEPENDENT STUDY
MR. MILLER

Individual readings in areas of the student's major interest.

Prerequisite: Permission of the instructor. *Two to four credit hours.*

Selected Topics

-97, -98

STUDY OF SELECTED TOPICS

Each department and interdisciplinary major may from time to time offer special courses not otherwise included in its regular course listing. When such a course is offered, it will be listed under the appropriate subject heading. The first digit of its number will depend on the level at which it is offered. Titles, descriptions, prerequisites, and number and type of credits will be determined by the department or interdisciplinary major offering the course, and will be available at registration.

Sociology

Chairman, ASSOCIATE PROFESSOR JONAS ROSENTHAL

Professor Frederick Geib; Associate Professors Rosenthal, Thomas Morrione, and Sonya Rose¹; Assistant Professors Robert Doel, Beatrice Edwards, Judith Modell, and Dallas Browne.

The department offers a wide variety of courses in sociology and anthropology, serving those students who want a broad introduction to theory and methods, and also those who seek preparation for graduate

study and research in sociology, anthropology, social work, and related fields. Short courses, independent study, and field experiences are part of the curriculum, and many majors play an active role in such Waterville community agencies as the public schools, YMCA, Kennebec Valley Regional Health Agency, and local hospitals. Both students and faculty participate in interdisciplinary programs, including American studies, regional studies, black studies, and human development.

Requirements for the major in sociology:

Sociology 121, 122, 271, 272, and 21 additional hours in sociology, including Sociology 311 and either 313 or 318; any combination of 12 hours selected from history, government, psychology, and economics. Sociology 271 should be taken before the end of the sophomore year. A written or oral comprehensive examination is to be passed by majors who do not take Sociology 401, 402.

At least one independent January program is required to be taken in the major during the junior or senior year.

The point scale for retention of the major applies to all courses in sociology. No requirement for the major may be taken pass/fail.

¹Part-time.

112j
INTERACTION PROCESS ANALYSIS
MR. ROSENTHAL

Theories and methods of understanding interpersonal behavior as it occurs in small groups. Synthesis of concepts, theory, and observation of the group. Enrollment limited to 16; preference given to freshmen.

Prerequisite: No prior sociology courses and permission of the instructor. *Three credit hours.*

121d, 122
PRINCIPLES OF SOCIOLOGY
FACULTY

Human society: its growth, institutions, activities, and problems. The course attempts to synthesize the available knowledge and concepts necessary for a scientific understanding of our complex modern society. Multisectioned, with each having a distinctive theme. *Three credit hours.*

211, 212
SHORT COURSES IN SOCIOLOGY
MR. GEIB

During each semester several different short courses will be offered. A student may take any or all; however, registration is required for each course. Each course will run approximately four to six weeks. By department rule, dropping or adding any short course must be done *prior* to the second meeting of the class. Four short courses will be offered in 1982-83, each covering one decade of the twentieth century. Cannot be counted toward the sociology major unless Sociology 121, 122 are taken previously or concurrently.

Prerequisite: Permission of the instructor. *One or two credit hours per short course.*

-
- 231
CONTEMPORARY SOCIAL ISSUES
MR. DOEL
- Analysis of selected controversial issues in contemporary society. General theoretical frameworks in the sociology of social problems will be considered to analyze several social issues from one or more perspectives. Special attention given to areas such as alienation, economic and political freedom, poverty and social inequality.
- Prerequisite:* Sociology 121 or permission of the instructor. *Three credit hours.*
-
- 232
HUMAN ECOLOGY
MR. DOEL
- “Panorama”: a study of man’s role in changing the face of the earth from prehistoric to modern times, human origins, the growth of society, civilization, and the formation of the state. Consideration given to the relationship between human society and the ecosystem concept, theory of demographic transition, population growth, and environmental carrying capacity.
- Prerequisite:* Sociology 121 or permission of the instructor. *Three credit hours.*
-
- *233
CRIMINOLOGY
MR. GEIB
- Crime in social and cultural perspective, conditions and situations that encourage antisocial conduct, the philosophy and practice of punishment, and programs for reducing or eliminating crime.
- Prerequisite:* Sociology 121, 122. *Three credit hours.*
-
- *237
THE SOCIOLOGY OF CHILD DEVELOPMENT
MR. ROSENTHAL
- The family as transmitter of the culture, relationships between social forces acting upon the family and the socialization process, and relationships between family characteristics, transmission, and socialization. See also Education 213, 253, 254, 273, 274.
- Prerequisite:* Sociology 121. *Three credit hours.*
-
- *252
RACE AND MINORITIES
MR. ROSENTHAL
- Major problems of race and minority groups, focusing on contemporary United States.
- Prerequisite:* Sociology 121, 122. *Three credit hours.*
-
- *253
URBANIZATION AND UNDERDEVELOPMENT IN LATIN AMERICA
MS. EDWARDS
- The city as a sociological phenomenon in the context of Latin American history. Urbanization will be considered from the colonial period, through national independence, to the stage of international interdependence. Topics will include: the colonial function of the city, the role of urbanization in economic development, the historical relationship between industrialization and urbanization, and current problems of “overurbanization,” poverty, unemployment, and underemployment.
- Prerequisite:* Sociology 121. *Three or four credit hours.*

271 INTRODUCTION TO SOCIOLOGICAL RESEARCH METHODS MS. EDWARDS	Introduction to a variety of research methods employed by sociologists. Topics include problem definition, the logic of inquiry, the relation between theory and research, research design, sampling, and techniques for data collection and analysis. <i>Prerequisite:</i> Sociology 121. <i>Three credit hours.</i>
272 ADVANCED RESEARCH METHODS MS. EDWARDS	Using either available resources or data collected for a specific investigative purpose, students will design and execute a research project. The course will incorporate manipulation of quantitative data using the computer, basic statistical analysis, interpretation of statistical results, and integration of empirical findings into sociological theory. <i>Prerequisite:</i> Sociology 271. <i>Three credit hours.</i>
273 THE FAMILY MS. ROSE	Changes in the family and its relationship to other institutions in society are examined using a sociohistorical perspective. <i>Prerequisite:</i> Sociology 121. <i>Three credit hours.</i>
†[274] SOCIAL STRATIFICATION	Using a historical and sociological orientation, this course will examine how man constructs a world of social inequality. Study of past and present stratification systems, their origins, development, and decline. The quest for social equality as the enigma of modern man. <i>Prerequisite:</i> Sociology 121 or permission of the instructor. <i>Three credit hours.</i>
†[275j] SOCIAL SITUATIONS: THEORY AND OBSERVATION	An introduction to issues, problems, and strategies relating to the observation and analysis of human interaction in natural social settings. A social psychological perspective is developed through discussion of first-hand field experience and participant observations in a variety of settings. <i>Prerequisite:</i> Sociology 121 and permission of the instructor. <i>Three credit hours.</i>
[276] MEN AND WOMEN IN SOCIETY	The behaviors expected of people because of their sex and differences in the status of men and women in society will be examined using a sociohistorical perspective. Theories accounting for sex differences will be analyzed, and the consequences of social inequality based on sex in contemporary society will be explored. <i>Prerequisite:</i> Sociology 121. <i>Three credit hours.</i>
311 HISTORY OF SOCIOLOGICAL THEORY MR. MORRIONE	The history of sociology, and a critical examination of the systems of thought about society and social action. The place of theory in social research is emphasized. <i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i>

<p>313 HISTORY OF SOCIAL THOUGHT MR. DOEL</p>	<p>Survey of man's ideas about human nature and the social order, centered on social thinkers prior to the development of sociology. Selected social thoughts of civilized man prior to Comte. <i>Prerequisite:</i> Sociology 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p>*314 RELIGION IN SOCIETY MR. DOEL</p>	<p>The relationship between religion and society. Major world religions and those of primitive peoples, analyzed in terms of origin, development, and function within social systems. Modes of human adjustment to the natural world in folklore and myth. <i>Prerequisite:</i> Sociology 121 or permission of the instructor. <i>Three credit hours.</i></p>
<p>†[316] SPECIAL TOPICS IN SOCIOLOGY</p>	<p>Topics in selected areas of sociology. <i>Prerequisite:</i> Permission of the instructor. <i>Three credit hours.</i></p>
<p>318 CONTEMPORARY THEORY MR. MORRIONE</p>	<p>An analysis of the contemporary state of sociology as a discipline. Special attention given to critical theory, phenomenology, ethnomethodology, symbolic interactionism, and existential sociology. <i>Prerequisite:</i> Sociology 121, 122 and permission of the instructor. <i>Three credit hours.</i></p>
<p>334 SOCIAL DEVIANCE MR. MORRIONE</p>	<p>Definitions of deviance and theories of explanation and analysis of deviant behavior. Readings and discussions will emphasize the history and development of contemporary perspectives. Enrollment limited to 15; seniors and majors given preference. <i>Prerequisite:</i> Sociology 121 and permission of the instructor. <i>Three credit hours.</i></p>
<p>371, 372 PRACTICUM IN SOCIOLOGICAL RESEARCH FACULTY</p>	<p>Under supervision of a faculty member, on a tutorial basis, each student will develop and pursue a sociological research project of limited scope. Although survey research is the design most frequently chosen, alternate modes appropriate to the problem defined and data derived may be developed (e.g., field studies, field experiments, laboratory experiments, participant observation, content analysis). <i>Prerequisite:</i> Sociology 271 and permission of the instructor. <i>Three or four credit hours.</i></p>
<p>[391] SOCIAL CHANGE</p>	<p>Although a historical approach is used at times, this course is primarily theoretical. The mechanisms, functions, and consequences of social change. Particular attention is given to the relevance of social change for the social order. <i>Prerequisite:</i> Sociology 121, 122. <i>Three credit hours.</i></p>

<p>*394 COLLECTIVE BEHAVIOR MR. GEIB</p>	<p>A course that seeks to shed light on the plight of contemporary man through the examination of the various instances of collective behavior—crowds, masses, publics, and social movements—and the forces that mold each. Consideration is given also to public opinion, propaganda, communication and the major mass media, and their functions in modern society.</p> <p><i>Prerequisite:</i> Sociology 121, 122 or permission of the instructor. <i>Three credit hours.</i></p>
<p>401, 402 SOCIOLOGY SEMINAR MR. MORRIONE</p>	<p>The meaning and development of sociological perspectives. Much of the work is devoted to individual projects developed from group discussions.</p> <p><i>Prerequisite:</i> Senior standing and permission of the instructor. <i>Three credit hours.</i></p>
<p>412 SOCIOLOGICAL ISSUES IN THIRD WORLD DEVELOPMENT MS. EDWARDS</p>	<p>Major sociological and economic issues in Third World development and the interaction of social and economic forces in the development process. Among the issues to be addressed are: the consequences of colonialism, theories of underdevelopment, structural demographic changes, industrialization, land reform, human-resource development, and the role of the state in the growth process.</p> <p><i>Prerequisite:</i> Sociology 121. <i>Three credit hours.</i></p>
<p>491, 492 INDEPENDENT STUDY FACULTY</p>	<p>Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work.</p> <p><i>Prerequisite:</i> Senior standing and permission of the department. <i>Two to four credit hours.</i></p>

Spanish

IN THE DEPARTMENT OF MODERN FOREIGN LANGUAGES

Unless otherwise specified, all courses numbered above 124 are conducted in Spanish. Spanish 142 or permission of the instructor is required for all courses numbered 200 or higher.

Professors Henry Holland¹ and Francisco Cauz; Associate Professor Priscilla Doel; Assistant Professors Federico Perez-Pineda and Jorge Olivares; Instructor Fernando Samaniego; Lecturer Barbara Nelson².

Achievement test: If a student offers a foreign language for entrance credit and wishes to continue it in college, that student must either have taken

the CEEB achievement test in the language or take the placement test during freshman orientation.

The following statements apply to the major in Spanish:

- (1) The point scale for retention of the major is based on all Spanish courses beyond the intermediate level.
- (2) No major requirements may be taken pass/fail.
- (3) No more than the equivalent of four semester courses of foreign study or transfer credit may be counted toward the major.
- (4) All majors in the department must take at least one course in the major, approved by the major adviser, each semester until graduation. For students returning from foreign study, these courses must be numbered 300 or higher.
- (5) Courses numbered 499 may not be counted toward the major.

Requirements for the major in Spanish:

Spanish 232 and at least seven additional semester Spanish courses numbered above 131.

Teacher certification: Students desiring certification for teaching Spanish must take Modern Foreign Languages 411, and may in some cases be required to take other specified courses.

¹Resident director, Cuernavaca Program, first semester; on leave second semester.

²Part-time.

117j
INTENSIVE SPANISH
MR. CAUZ

Students will be enrolled at The Center for Bilingual Multicultural Studies in Cuernavaca, Mexico. Classes in intensive Spanish meet four hours daily (Monday through Friday), and students will be placed according to their previous knowledge of the language. In addition, four two-week minicourses are available, two in Spanish and two in English.

Prerequisite: At least one semester of college-level Spanish. *Three credit hours.*

121, 122d
ELEMENTARY SPANISH
FACULTY

Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. Multisectioned. *Four credit hours.*

123d, 124j, 124d
INTERMEDIATE SPANISH
FACULTY

Continued practice in the oral-aural skills, with increasing emphasis on reading and writing through use of reading from Spanish and Latin American literature. Studies and grammar review supplemented with drill work in the laboratory. Multisectioned.

Prerequisite: Appropriate score on the CEEB Spanish achievement test or Spanish 122 (for 123) or Spanish 123 (for 124). *Four credit hours.*

131d CONVERSATION AND COMPOSITION FACULTY	Language review with emphasis on oral expression, written composition, and vocabulary development. <i>Prerequisite:</i> Spanish 124 or appropriate CEEB score. <i>Three credit hours.</i>
141, 142 INTRODUCCIÓN AL MUNDO HISPÁNICO FACULTY	The Hispanic tradition reflected in the works of major figures of Spain and Latin America. <i>Prerequisite:</i> Spanish 124. <i>Three credit hours.</i>
[227, 228] LATIN AMERICAN CIVILIZATION	An introduction to Latin America, its contributions, and its problems. Areas to be studied will include social structure, the family, the role of the Church, political and economic structures, urbanization, and U.S.-Latin American relations. The first semester will deal with pre-Columbian civilizations, discovery and conquest, colonial period, wars of independence, and the general period of political instability through the Mexican revolution. The second semester will deal primarily with the twentieth century and how these problems are reflected in literature. Conducted in English; no knowledge of Spanish required. Does not satisfy the college language requirement. Cannot be counted toward the Spanish major. <i>Three credit hours.</i>
232d ADVANCED SPANISH MR. OLIVARES	A review of Spanish grammar at the advanced level, with directed themes and free composition. <i>Prerequisite:</i> Spanish 131, 141, or appropriate CEEB score. <i>Three credit hours.</i>
*255 NINETEENTH-CENTURY SPANISH LITERATURE MR. PEREZ-PINEDA	Representative works of romanticism and realism. <i>Four credit hours.</i>
†[256] THE GENERATION OF 1898	The principal figures of this generation: Unamuno, Azorín, Baroja, Valle-Inclán, and Machado. <i>Four credit hours.</i>
[257] MODERN SPANISH LITERATURE	The literature of twentieth-century Spain through Federico García Lorca. <i>Four credit hours.</i>
†[258] THE CONTEMPORARY SPANISH NOVEL	The Spanish novel after the Spanish Civil War. Authors to be studied will include Camilo José Cela, Jesús Fernández Santos, Luis Martín Santos, Miguel Delibes, Juan Goytisolo, and Juan Marsé. <i>Four credit hours.</i>

261d2, [262] LATIN AMERICAN LITERATURE MS. DOEL	First semester: Latin American literature from the colonial period through the nineteenth century. Second semester: literature from the Modernistas through Rómulo Gallegos. <i>Four credit hours.</i>
*332d1 CONTEMPORARY LATIN AMERICAN LITERATURE MR. OLIVARES	Authors to be studied will include Carlos Fuentes, García Márquez, and Vargas Llosa. <i>Four credit hours.</i>
†[337] MEDIEVAL SPANISH LITERATURE	Medieval Spanish classics: <i>El Cid, El libro de buen amor, La Celestina, and El romancero.</i> <i>Four credit hours.</i>
*351d2 EL SIGLO DE ORO MR. CAUZ	The Spanish classical theater, the picaresque novel, and selected works of Cervantes. <i>Four credit hours.</i>
*352d1 DON QUIJOTE MS. DOEL	Study and analysis of <i>Don Quijote de la Mancha.</i> <i>Four credit hours.</i>
491, 492 INDEPENDENT STUDY FACULTY	Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. <i>Prerequisite:</i> Permission of the instructor. <i>Two to four credit hours.</i>
[493], 494 SEMINAR IN SPANISH AND LATIN AMERICAN LITERATURE MR. PEREZ-PINEDA	Topics, which change each semester, may cover an author, a genre, or a literary movement. Spring 1983: the contemporary Spanish theater. <i>Prerequisite:</i> Permission of the instructor. <i>Four credit hours.</i>
499d LANGUAGE TEACHING FACULTY	Directed practice in conduct of introductory language courses. Open to a limited number of students enrolled in Modern Foreign Languages 411. Nongraded. <i>Prerequisite:</i> Permission of both instructors. Praxis. <i>One or two credit hours.</i>

Special Programs

Recognizing the fact that diverse interests exist in every community, and that even the most professionally trained individual has a need to continue his/her education, Colby College maintains a division of special programs with a full-time director.

Each summer nearly 6,000 individuals from throughout the nation and other countries are on campus for courses, conferences, seminars, and institutes ranging from Great Books to the Maine Special Olympics. Continuing-education programs in medicine and allied health fields constitute a significant portion of summer activities. Approximately 150 doctors enroll in the 10-week Lancaster Course in Ophthalmology. Three- to five-day seminars in Anesthesiology, Dermatology, Emergency Medicine, Forensic Medicine, Infectious Disease, Nuclear Medicine, Obstetrics-Gynecology, Ophthalmology, Otolaryngology, Pediatrics, Pulmonary Disease, and Surgery are offered annually or biennially. The Maine Orthopedic Review, a two-week course, is held at Colby.

Colby medical programs are fully accredited by the American Medical Association's Council on Medical Education. For courses designed for primary-care physicians, the American Academy of Family Practice credit is generally available. In addition, some of the medical seminars are cosponsored by nationally recognized organizations, such as the American Association of Dermatology.

There are various other summer programs, including the Estate Planning and Tax Institute, Advanced Audiology, Church Music Institute, as well as youth cheerleader, field hockey, soccer, and football clinics.

During the academic year, the division arranges such annual conferences as the Colby Institute for Management. Adult courses and non-credit courses for which the continuing-education unit may be earned are also structured and evaluated through special programs.

The use of Colby's facilities for conferences is coordinated through the division of special programs. This past year, some of the groups holding meetings on campus included the Maine Bureau of Mental Health, Maine Office of Dental Health, Mid-Maine Medical Center Department of Education, Maine State Commission on Arts & Humanities, American Cancer Society, and the Higher Education Council.

Information may be obtained by writing to the director, Robert H. Kany.

Western Civilization

Director, PROFESSOR DOROTHY KOONCE

ADVISORY COMMITTEE: Professors Clifford Berschneider (History), Jean Bundy (Modern Foreign Languages), D. Koonce (Classics), Howard Koonce (English), Francis Parker (Philosophy and Religion), and Peter Westervelt (Classics).

This major is available only to students entering Colby prior to 1981.

Requirements for the major in Western civilization:

Eighteen hours from courses listed in and counting toward a major in one of the following disciplines: art, classics, English, history, modern foreign languages, philosophy, religion. Nine of these credit hours must be concentrated in no more than two of the following periods of Western culture: Greece, Rome, the Middle Ages, the Renaissance, the Enlightenment.

At least six hours in courses in two other disciplines that are in the same period(s) of concentration selected above, and which appear in the list of approved courses below.

Western Civilization 493 and 494.

Eight additional credit hours selected from the list of approved courses below.

Courses approved for the major:

ANCIENT HISTORY: 151 Introduction to Greek Civilization; 177, 178 Topics in Ancient History; 252 Prehistoric Greece; 254 Roman History; 352 Athens in the Fifth Century; 353 Greece in the Fourth Century.

ART: 121, 122 Introduction to Art; 311 The Art of Ancient Greece; 312 Art of the Renaissance in Italy; 314 Baroque Art; 316 Art of the Renaissance in Northern Europe; 358 Medieval Art.

CLASSICS: 133 Greek Myth and Literature; 177 Topics in Classics; 178 The Classics and English Poetry; 232 Greek Tragedy; 234 The Heroic Ideal in Early Greek Poetry.

ECONOMICS: 272 European Economic History.

ENGLISH: 221, 222 Major British Writers; 276 Dante in Translation; 331 The Middle Ages; 332 Poetry of the Later Renaissance; 333 Renaissance Drama; 334 Restoration Literature; 351 The American Renaissance I; 352 The American Renaissance II; 371 The Age of Pope and Swift; 372 From Johnson through Blake; 373 The Development of Dramatic Art I; 374 The Development of Dramatic Art II; 383, 384 Studies in Shakespeare; 391 The Age of Chaucer; 392 Sidney and Spenser; 394 Milton; 432j, 432 History of the English Language; 493, 494 Seminar in English Literature (when appropriate).

FRENCH: 223 French Civilization; 335 Topics in Seventeenth-Century French Literature; 336 Eighteenth-Century French Literature.

GERMAN: 223, 224 German Cultural Traditions.

GOVERNMENT: 321 Political Theory.

GREEK: all courses listed.

HISTORY: 137 Medieval History, 476-1453; 232 Renaissance and Reformation; 335 A Constitutional and Legal History of Medieval England; 336 Tudor-Stuart England; 419 Seminar in Medieval History.

LATIN: all courses numbered above 112.

MUSIC: 111 Introduction to Music; 211 Music History I; 233 Studies in Medieval and Renaissance Music; 234 Studies in Baroque Music.

PHILOSOPHY: 331 History of Ancient Philosophy; 332 History of Modern Philosophy; 373 History of Medieval Philosophy.

RELIGION: 233 Biblical Literature I; 234 Biblical Literature II; 319 Primitive Religion; 351 The Book of Job; 352 The Theology of Paul; 353 The Great Prophets of Israel; 358 Jesus of Nazareth.

SPANISH: 351 El Siglo de Oro.

491, 492

INDEPENDENT STUDY
FACULTY

Individual study of special problems in Western civilization in areas where the student has demonstrated the interest and competence necessary for independent work.

Prerequisite: Permission of the instructor and the program director.
One to three credit hours.

493, 494

SEMINAR IN WESTERN
CIVILIZATION
FACULTY

Interdisciplinary seminars conducted by at least two members of the Western civilization advising faculty, leading to the composition of a major essay. Required of all senior majors in Western civilization.

Three credit hours.

Women's Studies

Coordinators, ASSISTANT PROFESSORS PHYLLIS MANNOCCI AND MARILYN MAVRINAC

ADVISORY COMMITTEE: Professors Joel Bernard (History), Beatrice Edwards (Sociology), Jane Hunter (History), Susan Kenney (English), Sandy Maisel (Government), Mannocchi (English), Albert Mavrinc (Government), M. Mavrinc (Education, History), Deborah McDowell (English), Judith Modell (Anthropology), Jane Moss (Modern Foreign Languages), Patricia Onion (English), Sonya Rose (Sociology), Diane Sadoff (English), Jean Sanborn (English), David Simon (Art), and Gina Werfel (Art); Rita Bouchard (Reference Librarian), Jane Schwartz (Health Services), and Adjunct Assistant Professors Laura Carson and Deborah Pluck (Physical Education).

The women's studies program is devoted to analyzing the social, psychological, political, economic, historical, and artistic dimensions of women's experience, drawing on courses from a broad range of disciplines to reflect the complexities of women's lives. It encourages the development of new methods of analysis and the introduction of previously neglected fields of study with the goal of enriching the entire college curriculum.

Courses focusing predominantly on women include:

AMERICAN STUDIES: 274 Women's Studies: The Female Experience in America; 276 Black Culture in America.

ANTHROPOLOGY: 298 Ritual and Identity.

ART: 336 Women in Art.

EDUCATION: 294 Comparative History of Women's Education.

ENGLISH: 297 Introduction to Research in Women's Studies; 397 Nineteenth-Century Women Writers.

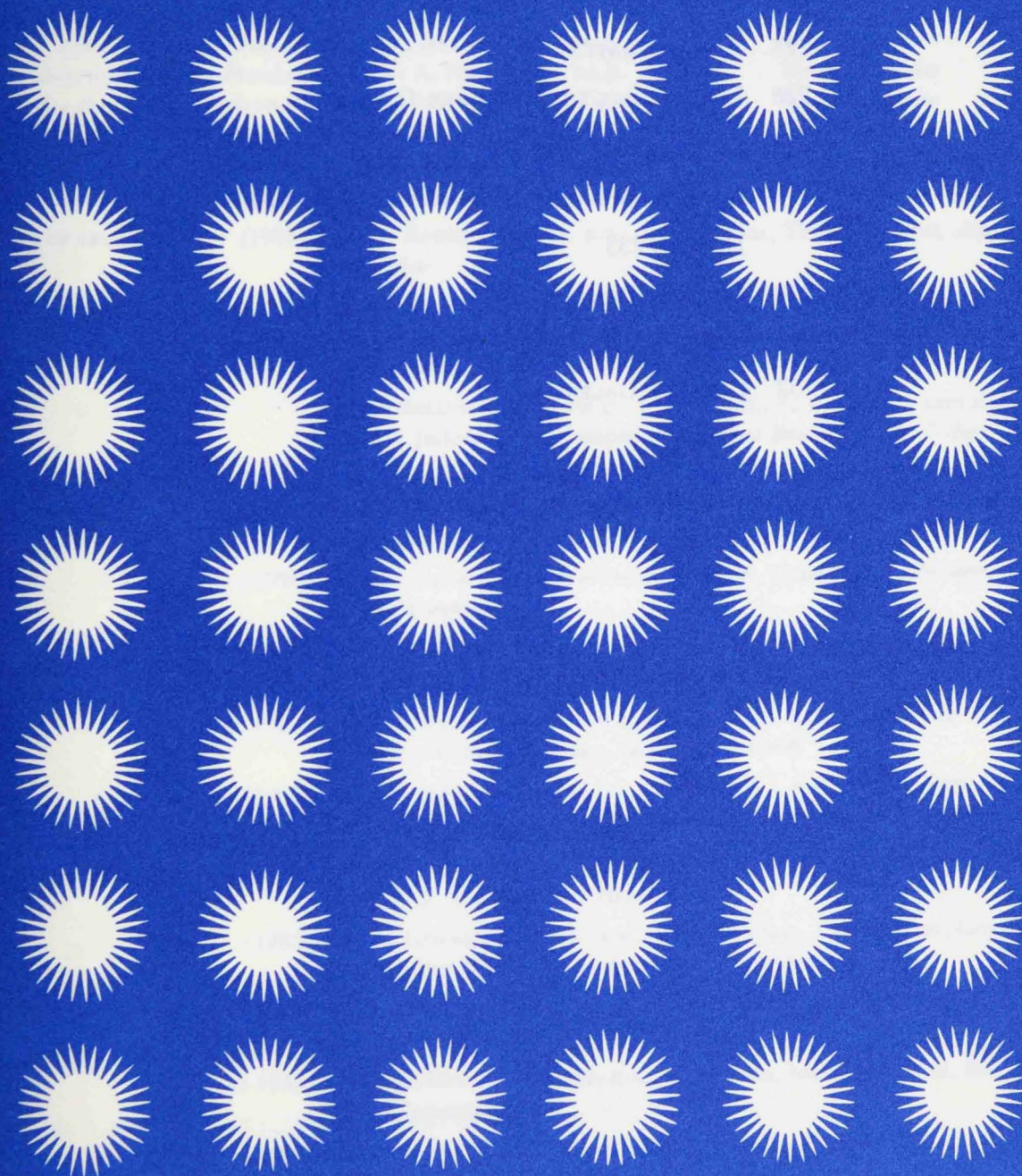
FRENCH: 493 Women Writers in France and Québec.

GOVERNMENT: 434 Seminar (Women in American Politics).

HISTORY: 257 The History of Women in America; 416 Seminar (The History of the American Family).

SOCIOLOGY: 276 Men and Women in Society.

III Directories and Appendices



III DIRECTORIES AND APPENDICES

- 199 THE CORPORATION
- 205 FACULTY
- 223 ADMINISTRATION
- 226 ENROLLMENT BY STATES AND COUNTRIES
- 227 DEGREES AND HONORS
 - DEGREES AWARDED AT COMMENCEMENT 228
 - HONORS 233
- 240 COLLEGE PRIZES
- 249 INDEX
- 252 COLLEGE CALENDAR

The Corporation 1982-83

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- (1985) BERTRAND WILLIAMS HAYWARD, Waterville, Maine, *President Emeritus, Philadelphia College of Textiles and Science*, Trustee Student Affairs Committee
- (1984) GERALD JAY HOLTZ, Boston, Massachusetts, *CPA, Arthur Andersen and Company*, Trustee Planning Committee, Visiting Committee on Admissions
- (1984) SOL HURWITZ, New York, New York, *Senior Vice-President, Committee for Economic Development*, Visiting Committee on Public Affairs
- (1986) SARAH JANNEY, Washington, D.C., *Security Analyst, American Security Corporation*, Visiting Committee on History
- (1984) EDITH KEMPER JETTÉ, Boston, Massachusetts, *Cofounder, The Friends of Art at Colby*, Visiting Committee on Art

- (1986) PETER HAROLD LUNDER, Waterville, Maine, *President, Dexter Shoe Company*
- (1985) DAVID MARVIN MARSON, Dedham, Massachusetts, *President, New Can Company, Inc.*, Trustee Development Committee
- (1984) JOHN H. MCGOWAN, Waterville, Maine, *Former President, Wyandotte Industries*, Trustee Buildings and Grounds Committee
- (1986) PETER BOONE ORAM, Huntington, New York, *Senior Vice-President and Director, Grumman Aerospace Corporation*, Visiting Committee on History
- (1985) ROBERTA PETERS, Scarsdale, New York, *Metropolitan Opera Company*, Visiting Committee on Music and the Performing Arts
- (1984) JOHN FRANKLIN REYNOLDS, Waterville, Maine, *Chief of Surgery, Mid-Maine Medical Center*, Trustee Student Affairs Committee
- (1984) FREDERICK ALFRED SCHREIBER, Beverly Hills, California, *Management Consultant*, Visiting Committee in the Social Sciences
- (1984) SYLVIA CARON SULLIVAN, Nashville, Tennessee, Trustee Student Affairs Committee
- (1985) WILLIAM OSGOOD TAYLOR, Medfield, Massachusetts, *President and Publisher, The Boston Globe*, Visiting Committee on American Studies
- (1984) BARBARA HOWARD TRAISTER, Easton, Pennsylvania, *Associate Professor of English, Lehigh University*, Visiting Committee on English
- (1985) EDWARD HILL TURNER, Belgrade, Maine, *Vice-President for Development Retired, Colby College*, Colby 2000 Campaign Committee
- (1985) PETER A. VLACHOS, New York, New York, *President, Dreyfus Leverage Fund*, Trustee Investment Committee
- (1984) ELMER CHAPMAN WARREN, Waterville, Maine, *Director of Planning Services Retired, National Life Insurance Company*, Trustee Buildings and Grounds Committee
- (1985) THOMAS JOHN WATSON III, Norwich, Vermont, *Attorney*
- (1984) ESTHER ZISKIND WELTMAN, Cambridge, Massachusetts, *Trustee, Jacob Ziskind Trust for Charitable Purposes*, Trustee Educational Policy Committee
- (1984) ROBERT S. WILLIAM, Los Angeles, California, *President, Western Globe Products, Inc.*
- (1985) CARL ROGER WRIGHT, Skowhegan, Maine, *Attorney*

OVERSEERS VISITING COMMITTEES

1981-82

GEOLOGY AND PHYSICS November 23-25, 1981 / Mr. Cummings, chairman / *Geology*: Brian J. Skinner, Professor of Geology and Geophysics, Yale University, consultant / *Physics*: Prof. Celata; Donald F. Holcomb, Professor of Physics, Cornell University, consultant.

AMERICAN STUDIES April 7-8, 1982 / Mr. Taylor, chairman; Mr. Cony; Eugene Leach, Professor and Director, American Studies Program, Trinity College, consultant.

ART April 18-20, 1982 / Mrs. Jetté, chairman; Mr. Turner; Charles Chet-
ham, Director and Curator of the Smith College Art Museum, consultant; Elbert Weinberg, sculptor, consultant.

ADMISSIONS May 3-5, 1982 / Mr. Holtz, chairman; Mr. Abedon; Mr. Cochrane; Richard Steele, Dean of Admissions, Carleton College, consultant.

Faculty 1981-83

WILLIAM R. COTTER, J.D. (Harvard), 1979-
Professor of Government; President

EMERITI

JULIUS SEELYE BIXLER, PH.D., D.D., L.H.D., LL.D., D.C.L., LITT.D.,
SC.D., 1942-60
Professor of Philosophy, Emeritus; President, Emeritus

ROBERT EDWARD LEE STRIDER II, PH.D., LL.D., L.H.D., LITT.D., HH.D.,
D.S. in B.A., D.ED., 1957-79
Professor of English, Emeritus; President, Emeritus

DENNISON BANCROFT, PH.D., 1959-74
Professor of Physics, Emeritus

ARCHILLE HENRI BIRON, A.M., 1950-77
Professor of Modern Languages, Emeritus

MARJORIE DUFFY BITHER, M.A., 1935-41, 1957-79
Professor of Physical Education, Emeritus

PHILIP STEWART BITHER, M.A., 1932-74
Professor of Modern Languages, Emeritus

JAMES MORTON CARPENTER, PH.D., 1950-81
Jetté Professor of Art, Emeritus

RICHARD CARY, PH.D., 1952-75
Professor of English, Emeritus

ALFRED KING CHAPMAN, M.A., L.H.D.,¹ 1928-69
Roberts Professor of English Literature, Emeritus

WILFRED JAMES COMBELLACK, PH.D., 1948-80
Professor of Mathematics, Emeritus

ALICE PATTEE COMPARETTI, PH.D., 1936-73
Professor of English, Emeritus

ERMANNIO FRANCIS COMPARETTI, PH.D., 1941-74
Professor of Music, Emeritus

JACK DONALD FONER, PH.D., February 1969-76
Professor of History, Emeritus

ERNEST PARKER JOHNSON, PH.D., 1955-78
Dana Professor of Psychology, Emeritus

EARL AUSTIN JUNGHANS, M.S., 1960-72
Associate Professor of Mathematics, Emeritus

RICHARD KNOWLTON KELLENBERGER, PH.D., 1946-76
Professor of Modern Languages, Emeritus

DONALDSON KOONS, PH.D., SC.D., 1947-82
Dana Professor of Geology, Emeritus.

FLORENCE ELIZABETH LIBBEY, M.S., 1948-71

Associate Professor of Library Science, Emeritus

E. JANET MARCHANT, M.A., 1940-65

Associate Professor of Physical Education, Emeritus

ERNEST CUMMINGS MARRINER, M.A., L.H.D., January 1923-60

Professor of English, Emeritus; Dean, Emeritus; College Historian

LEONARD WITHINGTON MAYO, B.A., S.SC.D., 1966-71

Professor of Human Development, Emeritus

EARLE ALTON MCKEEN, M.ED., 1955-71

Associate Professor of Education, Emeritus

WILLIAM BLACKALL MILLER, PH.D., 1956-82

Professor of Art, Emeritus

GEORGE THOMAS NICKERSON, M.A., 1948-67

Dean of Men, Emeritus

LUELLA FREDERICKA NORWOOD, PH.D., February 1943-53

Professor of English, Emeritus

CLIFFORD HAZELDINE OSBORNE, B.A., D.D., 1949-65

Professor of Religion, Emeritus; Chaplain, Emeritus

ROBERT WHITE PULLEN, PH.D., 1945-81

Professor of Economics, Emeritus; Administrative Vice-President, Emeritus

WENDELL AUGUSTUS RAY, PH.D., 1938-76

Professor of Chemistry, Emeritus

EVANS BURTON REID, PH.D., 1954-78

Merrill Professor of Chemistry, Emeritus

HENRY OTTO SCHMIDT, PH.D., 1946-78

Professor of Modern Languages, Emeritus

ALLAN CHARLES SCOTT, PH.D., 1951-73

Dana Professor of Biology, Emeritus

FRANCES FENN SEAMAN, B.MUS., 1957-68

Dean of Students, Emeritus

ARTHUR WILLIAM SEEPE, M.C.S., 1937-January 1972

Associate Professor of Administrative Science, Emeritus; Treasurer, Emeritus

GORDON WINSLOW SMITH, M.A., 1930-72

Professor of Modern Languages, Emeritus

NORMAN SWASEY SMITH, M.ED., 1945-68

Associate Professor of Education, Emeritus

IRVING DAVID SUSS, PH.D., 1957-80

Professor of English, Emeritus

EDWARD HILL TURNER, B.A., L.H.D., 1953-78

Vice-President for Development, Emeritus

RALPH SAMUEL WILLIAMS, M.B.A., L.H.D., 1947-73

Wadsworth Professor of Administrative Science, Emeritus; Administrative Vice-President, Emeritus

LUCILLE PINETTE ZUKOWSKI, M.A., 1943-82

Professor of Mathematics, Emeritus

WALTER HENRY ZUKOWSKI, PH.D., 1952-82

Wadsworth Professor of Administrative Science, Emeritus

¹Died January 11, 1982.

FACULTY

The faculty is arranged alphabetically. In parentheses are listed colleges and universities from which earned degrees have been received.

CHRISTOPHER STEVENS ALLEN, M.A. (Boston College, Northeastern), January-June 1982

Lecturer in Government

DONALD BRUCE ALLEN, PH.D. (Fresno State, Illinois), 1967-

Professor of Geology

JONATHAN DWIGHT ALLEN, B.A.² (Case Western Reserve), 1978-

Faculty Member without Rank: Director of Computer Services

DOUGLAS NELSON ARCHIBALD, PH.D. (Dartmouth, Michigan), 1973-

Professor of English; Vice-President for Academic Affairs and Dean of Faculty

JAMES FOSTER ARMSTRONG, PH.D. (Harvard), 1971-

Professor of Music

SAMUEL LEIGH ATMORE, M.S. (Pennsylvania State, Simmons), 1977-

Faculty Member without Rank: Audiovisual Librarian

NICHOLAS MUZIO AZZARETTI, M.PHIL. (Northwestern, Columbia), 1981-

Instructor in Performing Arts and in English

MIRIAM BARNDT-WEBB, PH.D. (Colby Junior, Michigan at Ann Arbor, Boston University, Illinois), 1982-

Assistant Professor of Music

CAROL HOFFER BASSETT, M.A.⁷ (South Dakota), 1974-

Assistant Professor of Mathematics

CHARLES WALKER BASSETT, PH.D.⁶ (South Dakota, Kansas), 1969-

Professor of English

STEVEN ALBERT BAUER, M.F.A. (Trinity, Massachusetts), 1979-82

Assistant Professor of English

DONALD J. BEATON, M.A.⁷ (Sir George Williams [Montreal], Wesleyan), 1981-82

Lecturer in Mathematics

TODD ALLEN BEHR, M.A. (Gettysburg, Lehigh), 1980-82

Instructor in Economics

RICHARD QUENTIN BELL, JR., B.S. (Delaware), 1978-

Adjunct Assistant Professor of Physical Education

ROBERT MARK BENBOW, PH.D. (University of Washington, Yale), 1950-

Roberts Professor of English Literature

MIRIAM FRANCES BENNETT, PH.D. (Carleton, Mount Holyoke, Northwestern), 1973-

William R. Kenan, Jr., Professor of Biology

JOEL CHARLES BERNARD, M.A., M. PHIL.^{4,10} (Cornell, Yale), 1980-

Assistant Professor of History

CLIFFORD JOSEPH BERSCHNEIDER, M.A. (Duquesne, Pittsburgh), 1949-

Professor of History

ARCHILLE HENRI BIRON, A.M. (Clark, Institut de Phonetique, Paris, Middlebury), 1951-77, 1980-82⁷

Professor of Modern Languages, Emeritus; Lecturer in Modern Languages (French)

RITA PHYLLIS BOUCHARD, M.A. (Maine, Boston University), 1978-

Faculty Member without Rank: Reference Librarian

ROGER WILSON BOWEN, PH.D.⁵ (Wabash, Michigan, British Columbia), 1978-

Assistant Professor of Government

MYLES GERALD BOYLAN, PH.D. (Michigan State, Case Institute of Technology, Case Western Reserve), 1982-

Associate Professor of Administrative Science

PATRICK BRANCACCIO, PH.D. (Brooklyn College, Ohio State, Rutgers), 1963-

Professor of English

DAVID GORDON BRIDGMAN, PH.D.¹³ (Yale, Wisconsin, Harvard), 1955-

Associate Professor of History

WALTER JOSEPH BROOKS, M.A. (Harvard, Columbia), 1971-82

Faculty Member without Rank: Associate Dean of Admissions

DALLAS LASALLE BROWNE, PH.D., (Northeastern Illinois, Illinois at Urbana), 1982-

Assistant Professor of Black Studies and of Sociology

JOHN H. BUBAR, M.B.A., M.S. (Colby, New Hampshire, Southern California), 1981-
Assistant Professor of Administrative Science

JEAN D. BUNDY, PH.D. (Washington State, Wisconsin), 1963-
Dana Professor of French Literature

JEANNE BURNETTE, M.L.S. (Maine), January 1979-
Faculty Member without Rank: Head Cataloguer, Library

MURRAY FRANCIS CAMPBELL, PH.D. (Pennsylvania State, Cornell), 1980-
Assistant Professor of Physics

HARRY ROWLAND CARROLL, M.A.^{3,12} (New Hampshire), 1964-
January 1982
Associate Professor; Dean of Admissions

LAURA M. CARSON, B.A. (Williams), 1981-
Adjunct Instructor in Physical Education

FRANCISCO ANTONIO CAUZ, PH.D. (Villanova, Middlebury, Rutgers), 1957-
Professor of Modern Languages (Spanish)

ARTHUR KINGSLEY CHAMPLIN, PH.D. (Williams, Rochester), 1971-
Associate Professor of Biology

GREGORY BRUCE CHRISTAINSEN, PH.D. (Wisconsin), 1980-
Assistant Professor of Economics

ROBERT EDWARD CHRISTIANSEN, PH.D. (Wayne State, Indiana), February 1979-
Assistant Professor of Economics

CATHERINE HERLIHY COCKS, M.A.L.S. (Lake Erie, Michigan), 1980-
Faculty Member without Rank: Cataloguer, Library

J. FRASER COCKS III, PH.D.⁴ (Occidental, Michigan), 1975-
Faculty Member without Rank: Special Collections Librarian; Lecturer in History

FREDERICK RUSSELL COLE, PH.D. (Massachusetts, Illinois), 1977-
Assistant Professor of Biology

SUSAN WESTERBERG COLE, M.S. (Knox, Illinois), 1978-
Faculty Member without Rank: Science Librarian

GEORGE LEIDIGH COLEMAN II, M.A. (Cornell, Kansas), 1963-
Associate Professor; Registrar

WILLIAM R. COTTER, J.D. (Harvard), 1979-
Professor of Government; President

- WALDO HERBERT COVELL, M.ED. (Maine), 1969-
Adjunct Assistant Professor of Physical Education
- EILEEN MARY CURRAN, PH.D. (Cornell, Cambridge, Cornell), 1958-
Professor of English
- GENE BARTHOLOMEW DELORENZO, B.A. (Colby), 1977-
Adjunct Assistant Professor of Physical Education
- PRISCILLA ALLEN DOEL, M.A. (Colby Junior, New York University), 1965-
Associate Professor of Modern Languages (Portuguese and Spanish)
- ROBERT GEORGE DOEL, M.A. (Heidelberg, Kent State), 1965-
Assistant Professor of Sociology
- PAUL BRENDEL DORAIN, PH.D. (Yale, Indiana), 1981-82
Professor of Chemistry and of Physics; Vice-President for Academic Affairs and Dean of Faculty
- MARYMAY DOWNING, B.A. (Toronto), 1981-82
Visiting Instructor in Classics
- JOHN MINOT DUDLEY, PH.D. (Massachusetts Institute of Technology, California at Berkeley), 1964-
Associate Professor of Physics
- THOMAS WILLIAM EASTON, PH.D.⁶ (Maine, Brown), 1960-
Associate Professor of Biology
- BEATRICE ELIZABETH EDWARDS, PH.D. (Georgetown, Texas, American), 1981-
Assistant Professor of Sociology
- BENJAMIN ABRAHAM ELMAN, PH.D. (Hamilton, Pennsylvania), 1980-82
Ziskind Lecturer in East Asian Studies (Philosophy)
- ROBERT CHAPMAN EWELL, B.A. (Colby), 1978-
Adjunct Assistant Professor of Physical Education
- SIDNEY WEYMOUTH FARR, M.A., M.B.A. (Colby, Maine), 1970-
Associate Professor; Vice-President for Development
- LEE NATHAN FEIGON, PH.D. (California at Berkeley, Chicago, Wisconsin), 1976-
Associate Professor of History
- CHARLES ANTHONY FERGUSON, PH.D.³ (Oberlin, Ohio State), 1967-
Associate Professor of Modern Languages (French)
- GUY THEOPHILE FILOSOFF, PH.D. (Rollins, Middlebury, Rochester), 1969-
Professor of Modern Languages (French)

- DAVID H. FIRMAGE, PH.D.¹ (Brigham Young, Montana), February 1975-
Assistant Professor of Biology
- BRUCE EDWARD FOWLES, PH.D.⁵ (Brown, California at Berkeley), 1967-
Associate Professor of Biology
- THOMAS ELTON FREELING, M.A.⁷ (Lawrence College, Northeastern Illinois), 1981-82
Lecturer in Education
- FREDERICK H. GAUTSCHI III, M.B.A., PH.D. (U.S. Naval Academy, California State, California at Berkeley), 1981-
Assistant Professor of Administrative Science
- FREDERICK ARTHUR GEIB, PH.D. (New Hampshire, Brown, Syracuse), 1955-
Professor of Sociology
- HENRY ALBERT GEMERY, PH.D.² (Southern Connecticut, Harvard, Pennsylvania), 1961-
Dana Professor of Economics
- JAMES MACKINNON GILLESPIE, PH.D. (Harvard), 1951-
Professor of Psychology; Associate Dean of Students
- ROBERT ALEXANDER GILLESPIE, PH.D.⁷ (Cornell, Iowa), 1971-77, 1982-
Lecturer in English
- KEMP FREDERICK GILLUM, PH.D.⁵ (Illinois, Wisconsin), 1948-
Professor of History
- JOHN G. GIMBEL, B.S. (Andrews), 1982-
Instructor in Mathematics
- JOHN ANTHONY GOULET, PH.D. (Worcester Polytechnic, Rensselaer Polytechnic), 1976-
Assistant Professor of Mathematics
- MICHEL GOULET, M.ED. (New Hampshire, Ohio), 1977-
Adjunct Assistant Professor of Physical Education
- HUGH JAMES GOURLEY III, B.A. (Brown), April 1966-
Faculty Member without Rank: Director of the Museum of Art
- ARTHUR DAVID GREENSPAN, PH.D. (Columbia, Indiana), 1978-
Assistant Professor of Modern Languages (French); Resident Director of Colby in Caen Program
- KRISTIN M. HALLBERG, M.A. (Macalester, Wisconsin), 1982-
Instructor in Economics
- KENNETH GEORGE HAMILTON, PH.D. (St. Peter's [N.J.], Rensselaer Polytechnic), 1978-
Assistant Professor of Mathematics

NATALIE BETH HARRIS, PH.D. (Indiana), 1978-80, 1982-
Assistant Professor of English

PETER BROMWELL HARRIS, PH.D. (Middlebury, Indiana), 1974-
Assistant Professor of English

CHARLES STEWART HAUSS, PH.D.⁴ (Oberlin, Michigan), 1975-
Associate Professor of Government

HOMER T. HAYSLETT, JR., PH.D. (Bridgewater, Virginia Polytechnic,
Dartmouth), 1962-
Associate Professor of Mathematics

ADEL VERNA HEINRICH, A.MUS.D. (Flora Stone Mather, Union
Theological, Wisconsin), 1964-
Associate Professor of Music

DOUGLAS RICHARD HILEMAN, PH.D. (Case Western Reserve,
Michigan), 1981-82
Assistant Professor of Biology

JAN STAFFORD HOGENDORN, PH.D. (Wesleyan, London School of
Economics), 1963-
The Grossman Professor of Economics

HENRY HOLLAND, PH.D.⁶ (Maine, Harvard, Madrid), 1952-
*Professor of Modern Languages (Spanish); Resident Director of Cuernavaca
Program*

JOHN MICHAEL HOSACK, PH.D. (California Institute of Technology,
California at Berkeley), 1981-
Assistant Professor of Mathematics

YEAGER HUDSON, PH.D. (Millsaps, Boston University), 1959-
Professor of Philosophy

JANE HARLOW HUNTER, PH.D.^{6,10} (Yale), 1980-
Assistant Professor of History

JOHN H. INESON, S.T.B.⁷ (New Hampshire, Berkeley Divinity School at
Yale), 1981-
Faculty Member without Rank: Chaplain

HAROLD ALVIN JACOBSON, ED.D.⁵ (Bowling Green, Harvard), 1968-
Professor of Education

ROBERT HURD KANY, PH.D.⁴ (Michigan, Pennsylvania State),
February 1970-
*Associate Professor of History; Director of Division of Special Programs;
Secretary of the Corporation*

CYNTHIA BAIRD KEATING, M.L.S. (Connecticut, Rhode Island), 1979-
Faculty Member without Rank: Reference Librarian

EDWIN JAMES KENNEY, JR., PH.D.³ (Hamilton, Cornell), 1968-
Professor of English

SUSAN MCILVAINE KENNEY, PH.D.⁷ (Northwestern, Cornell), 1968-
Assistant Professor of English

DIANE SKOWBO KIERSTEAD, PH.D.⁵ (Miami [Ohio], Brandeis), 1974-
Assistant Professor of Psychology

SALLIE BEHN KING, PH.D. (Smith, British Columbia, Temple), 1981-82
Assistant Professor of Asian Religions

ARTHUR MCAFEE KINGDON, M.TH., M.A.⁷ (Oberlin, Chicago), 1972-77,
1981-82
Visiting Assistant Professor of Sociology

YVONNE RICHMOND KNIGHT, M.B.A. (Colby, Cornell), 1958-
Professor of Administrative Science

DOROTHY MARIE KOONCE, PH.D. (Cornell, Pennsylvania), 1963-
Professor of Classics

HOWARD LEE KOONCE, PH.D. (Dartmouth, Pennsylvania), 1963-
Professor of English

DONALDSON KOONS, PH.D., SC.D. (Columbia), 1947-82
Dana Professor of Geology

THOMAS WARREN KOPP, M.A. (Connecticut), 1978-
Adjunct Assistant Professor of Physical Education

MERLE CURTIS KRUEGER, PH.D. (Wisconsin), February 1982-
Assistant Professor of Modern Languages (German)

JANIS LYNNE KRUGH, M.A. (Ohio Northern, Toledo [Ohio]), 1979-82
Instructor in Modern Languages (Spanish)

HUBERT CHRISTIAN KUETER, PH.D. (Valparaiso, Michigan), 1965-
Associate Professor of Modern Languages (German)

JAY BRIAN LABOV, PH.D. (Miami [Florida], Rhode Island), 1979-
Assistant Professor of Biology

SUSAN DALLAIRE LAGUEUX, M.A.⁷ (Bates, Ohio State), 1981-
Lecturer in Modern Languages (French)

KENNETH D. LANE, D.A. (Maine, Idaho State), 1982-
Assistant Professor of Mathematics

CHARLES BRADFORD LANGLEY, PH.D. (Dartmouth, Indiana at
Bloomington), 1982-
Ziskind Lecturer in East Asian Studies (Chinese Literature and Humanities)

CAMILLE FRANÇOISE LAPARRA, PH.D. (Nanterre [Paris], Wisconsin at
Madison), 1982-
Assistant Professor of Modern Languages (French)

LEWIS FREDERICK LESTER, PH.D. (City University of New York, Connecticut), 1970-

Associate Professor of Psychology

FRANCIS DONALD LONERGAN, M.A. (Holy Cross, Florida State), 1981-82

Visiting Assistant Professor of Mathematics

THOMAS RICHMOND WILLIS LONGSTAFF, PH.D. (Maine, Bangor Theological, Columbia), 1969-

Associate Professor of Philosophy and Religion

PAUL EWERS MACHEMER, PH.D.⁴ (Princeton, Pennsylvania), 1955-

Merrill Professor of Chemistry

PAUL STUART MACHLIN, PH.D.² (Yale, California at Berkeley), 1974-

Associate Professor of Music

COLIN EDWARD MACKAY, PH.D. (Brown), 1956-

Professor of English

GEORGE CALVIN MACKENZIE, PH.D. (Bowdoin, Tufts, Harvard), 1978-

Associate Professor of Government

GEORGE DOUGLAS MAIER, PH.D.^{1,2} (Cornell College, Iowa State), 1965-

Associate Professor of Chemistry

LOUIS SANDY MAISEL II, PH.D. (Harvard, Columbia), 1971-

Associate Professor of Government

PHYLLIS FRANCES MANNOCCHI, PH.D. (Pennsylvania, Columbia), 1977-

Assistant Professor of English

HARRIETT MATTHEWS, M.F.A.⁸ (Sullins Junior, Georgia), 1966-

Associate Professor of Art

ALBERT ANTHONY MAVRINAC, PH.D. (Pittsburgh, Harvard), 1958-

Dana Professor of Government

MARILYN SWEENEY MAVRINAC, M.A.⁷ (Wellesley, Columbia),

1963-64, 1967-68, 1969-

Assistant Professor of Education and of History

ROBERT PAUL McARTHUR, PH.D. (Villanova, Temple), 1972-

Associate Professor of Philosophy; Dean of Admissions and Financial Aid

SHANNON McARTHUR, M.F.A. (Rosemont, Indiana), September-December 1981

Lecturer in Art

KAREN McCORMICK, B.S. (Delaware), 1981-82

Instructor in Economics

DEBORAH E. McDOWELL, PH.D. (Tuskegee, Purdue), 1979-

Assistant Professor of English

- RICHARD JOHN MCGEE, M.S. in ED. (Maine), 1967-
Assistant Professor of Physical Education
- JAMES RICHARD MCINTYRE, PH.D.² (Michigan State), 1976-
Associate Professor of Modern Languages (German)
- JAMES WILLIAM MEEHAN, JR., PH.D. (Saint Vincent, Boston College),
1973-
Professor of Economics
- ROGER NATHAN METZ, PH.D. (Oberlin, Cornell), 1968-
Associate Professor of Physics
- FRANK JOSEPH MILLER, PH.D. (Florida State, Indiana), 1978-
Assistant Professor of Modern Languages (Russian)
- MARGARET KOONS MILLER, B.A. (Wooster), September 1962-
January 1963, 1971-82
Assistant Professor of Art
- WILLIAM BLACKALL MILLER, PH.D. (Harvard, Columbia), 1956-82
Professor of Art
- CHRISTINE ELIZABETH MITCHELL-WENTZEL, M.A. (Massachusetts,
Michigan), 1973-
Adjunct Assistant Professor of Dance
- JOHN S. MIZNER, PH.D. (Antioch, Pennsylvania), 1963-
Professor of English
- JUDITH SCHACHTER MODELL, PH.D. (Vassar, Columbia, Minnesota),
1981-
Assistant Professor of Anthropology
- THOMAS JACK MORRIONE, PH.D. (Colby, New Hampshire, Brigham
Young), 1971-
Associate Professor of Sociology
- FRED BAKER MOSELEY, PH.D. (Stanford, Massachusetts at Amherst),
1982-
Assistant Professor of Economics
- JANE MERYL MOSS, PH.D. (Wellesley, Yale), 1979-
Assistant Professor of Modern Languages (French)
- RICHARD JAMES MOSS, PH.D. (Michigan State), 1978-
Assistant Professor of History
- MUTSUKO MOTOYAMA, PH.D. (Doshisha [Kyoto], Kansai [Osaka],
Oregon, University of Washington), 1982-
Assistant Professor of Modern Languages (Japanese)
- JOE DAVID MOUNT, M.A., M.L.S. (Wake Forest, Ohio, Indiana),
December 1979-April 1982
Faculty Member without Rank: Acquisitions Librarian

- SUANNE WILSON MUEHLNER, M.L.S., M.B.A. (California at Berkeley, Simmons, Northeastern), 1981-
Faculty Member without Rank: Director of the Colby Libraries
- BARBARA KUCZUN NELSON, M.A.⁷ (Colby, Middlebury), 1978-
Lecturer in Modern Languages (Spanish)
- CARL E. NELSON, M.ED. (Boston University, Maine), November 1967-
Adjunct Assistant Professor of Physical Education; Director of Health Services
- ROBERT EDWARD NELSON, PH.D. (San Francisco State, University of Washington), 1982-
John D. MacArthur Assistant Professor of Geology
- THOMAS ALLEN NEWTON, PH.D. (Hobart, Bucknell, Delaware), 1978-
Assistant Professor of Chemistry
- STANLEY A. NICHOLSON, PH.D. (Montana, Duke), 1981-
Professor of Economics; Administrative Vice-President
- JORGE OLIVARES, PH.D. (Miami [Florida], Michigan), 1982-
Assistant Professor of Modern Languages (Spanish)
- WILLIAM B. O'NEIL, PH.D. (Amherst, Wisconsin), 1982-
Assistant Professor of Economics
- PATRICIA ARNOLD ONION, PH.D.⁷ (Connecticut College, Harvard), 1974-
Lecturer in English
- FRANCES M. PARKER, M.S.L.S.³ (Harpur, Columbia), August 1974-
Faculty Member without Rank: Assistant Director for Public Services, Library
- FRANCIS HOWARD PARKER, PH.D. (Evansville, Indiana, Harvard), 1971-
Dana Professor of Philosophy
- HAROLD PAYSON III, PH.D. (Harvard, Fletcher School of Law and Diplomacy), 1979-81, 1981-83⁷
Assistant Professor of Economics
- PAUL POWERS PEREZ, PH.D. (U.S. Coast Guard Academy, New York University), February 1960-
Professor of Psychology; Clinical Psychologist
- FEDERICO A. PEREZ-PINEDA, PH.D. (Pennsylvania State), 1980-
Assistant Professor of Modern Languages (Spanish)
- HAROLD RICHARD PESTANA, PH.D. (California, Iowa), 1959-
Associate Professor of Geology
- GREGORY MARK PFITZER, B.A. (Colby), 1982-
Lecturer in History
- DEBORAH ANN PLUCK, B.S. (Slippery Rock), 1979-
Adjunct Assistant Professor of Physical Education

HAROLD BRADFORD RAYMOND, PH.D. (Black Mountain, Harvard), 1952-

Professor of History

PETER JOSEPH RÉ, M.A.⁶ (Yale, Columbia), 1951-

Professor of Music

DOUGLAS EDWARD REINHARDT, M.B.A. (Colby, Babson), 1972-

Faculty Member without Rank: Treasurer

DOROTHY SWAN REUMAN, M.A.⁷ (Wooster, Wisconsin), 1961-64, 1966-
Associate Professor of Music

ROBERT EVERETT REUMAN, PH.D. (Middlebury, Pennsylvania), 1956-
Professor of Philosophy

JOHN FRANCIS REYNOLDS, PH.D.¹ (Tufts, Virginia), 1978-

Assistant Professor of Modern Languages (German)

LAURENCE DALE RICHARDS, M.B.A., PH.D. (Maine, West Florida, Mississippi State, Pennsylvania), 1980-

Assistant Professor of Administrative Science

PAULA S. RICHMAN, M.A. (Oberlin, Princeton), 1982-

Instructor in Philosophy and Religion

NICHOLAS LEROY ROHRMAN, PH.D. (Butler, Miami [Ohio], Indiana), 1977-

Professor of Psychology

SONYA ORLEANS ROSE, PH.D. (Antioch, Northwestern), 1977-

Associate Professor; Associate Dean of the College

NATHAN S. ROSENSTEIN, PH.D. (California at Berkeley), 1982-

Taylor Lecturer in Classics

JONAS OETTINGER ROSENTHAL, M.A.⁸ (Swarthmore, North Carolina), 1957-

Associate Professor of Sociology

OLGA WESTER RUSSELL, PH.D.⁷ (Connecticut, California at Berkeley, Harvard), 1981-82

Lecturer in Modern Languages

DIANNE FALLON SADOFF, PH.D.^{6,11} (Oregon, Rochester), 1980-81, 1982-

Associate Professor of English

IRA SADOFF, M.F.A.^{1,4,11} (Cornell, Oregon), 1977-

Associate Professor of English

JEAN MARIE SANBORN, PH.D.⁷ (Mount Holyoke, Harvard, Union for Experimenting Colleges and Universities), 1976-

Lecturer in English

JANICE SEITZINGER, M.A. (New York at Stony Brook, Boston College), 1974-

Faculty Member without Rank: Dean of Students

RICHARD CRITTENDEN SEWELL, M.A., 1974-

Adjunct Assistant Professor; Director of Powder and Wig

THOMAS WAYNE SHATTUCK, PH.D. (Lake Forest, California at Berkeley), 1976-

Associate Professor of Chemistry

DAVID LAWRENCE SIMON, PH.D. (Boston University, London), 1981-

Associate Professor of Art

SONIA CHALIF SIMON, PH.D.⁷ (Boston University), 1982-

Assistant Professor of Art

DALE JOHN SKRIEN, PH.D. (Saint Olaf, Washington), 1980-

Assistant Professor of Mathematics

DONALD BRIDGHAM SMALL, PH.D. (Middlebury, Kansas, Connecticut), 1968-

Associate Professor of Mathematics

EARL HAROLD SMITH, B.A. (Maine), 1970-

Associate Professor; Dean of the College

WAYNE LEE SMITH, PH.D.¹ (Hartwick, Pennsylvania State), 1967-

Associate Professor of Chemistry

CHUNG SO, M.A. (International Christian [Tokyo], Princeton), 1978-

Assistant Professor of Modern Languages (Chinese and Japanese)

JEFFREY STEVEN SOLOMON, B.A. (Bowdoin), February-December 1981

Lecturer in Mathematics

LEANNE H. STAR, M.A.⁷ (California at Berkeley, Chicago), 1978-80, 1981-

Lecturer in English

SARAH MEHLHOP STRONG, M.A.⁷ (Oberlin, Chicago), 1980-82

Lecturer in Modern Languages (Japanese)

DAVID STARK SULLIVAN, B.A. (Pomona), 1981-82

Taylor Lecturer in Classics

JOHN HALE SUTHERLAND, PH.D. (Swarthmore, Pennsylvania), 1951-

Professor of English; Editor of Colby Library Quarterly

JOHN ROBERT SWENEY, PH.D. (Colorado College, Claremont, Wisconsin), 1967-

Professor of English

- LINDA TATELBAUM, PH.D.⁷ (Cornell), 1982-
Lecturer in English
- DIANE TEPFER, M.A. (University of Washington), 1982-
Instructor in Art
- ROBERT LEE TERRY, PH.D.³ (Earlham, Pennsylvania), 1952-
Professor of Biology
- THOMAS HARRY TIETENBERG, PH.D. (U.S.A.F. Academy, University of the East in the Philippines, Wisconsin), 1977-
Associate Professor of Economics
- GUSTAVE HERMAN TODRANK, PH.D. (DePauw, Boston University), 1956-
Professor of Philosophy and Religion
- ORIEN LEE TULP, PH.D. (Vermont), 1981-
Visiting Associate Professor of Chemistry
- GAIL RUTH WALKER, PH.D.^{1,2} (Wells, Indiana), 1978-
Assistant Professor of Mathematics
- NEWELL E. WARDE, PH.D.⁷ (Hamilton, Massachusetts), 1981-82
Lecturer in Modern Languages (German)
- SUSAN HIESTER WEBSTER, B.A.⁷ (Maine), 1981-82
Lecturer in Art
- ROBERT STEPHEN WEISBROT, PH.D. (Brandeis, Harvard), 1980-
Assistant Professor of History
- DACE WEISS, M.A.⁷ (Toronto), 1981-82
Lecturer in Modern Languages (French)
- JONATHAN MARK WEISS, PH.D. (Columbia, Yale), 1972-
Associate Professor of Modern Languages (French)
- GUENTER WEISSBERG, J.D., PH.D. (New York University, Columbia Law, Columbia), 1965-
Professor of Government
- GINA S. WERFEL, M.F.A. (Kirkland, Columbia), 1980-
Assistant Professor of Art
- JAMES BENJAMIN WESCOTT, M.S. (Plymouth State, Indiana), 1978-
Adjunct Assistant Professor of Physical Education
- DAVID SCOTT WESTERMAN, PH.D.⁷ (Allegheny, Lehigh), 1980-82
Assistant Professor of Geology
- PETER WESTERVELT, PH.D.⁹ (Harvard), 1961-
Professor of Classics
- JOHN DAVID WESTLIE, PH.D. (New College, Minnesota, Yale), 1981-
Assistant Professor of Modern Languages (French)

RICHARD LATHAM WHITMORE, JR., M.ED. (Bowdoin, Maine), 1970-
Adjunct Assistant Professor of Physical Education

ZINAIDA WLODSKOWSKI, PH.D. (Windham, New York University),
1981-82
Lecturer in Modern Languages (Russian)

STEPHEN RICHARD WOODY, M.F.A. (California State, Yale), 1976-
Adjunct Assistant Professor; Technical Director for Performing Arts

EDWARD HARRY YETERIAN, PH.D. (Trinity, Connecticut), 1978-
Assistant Professor of Psychology

GLENN DORIN ZOHNER, PH.D. (Brigham Young, Massachusetts),
1963-66, 1969-
Associate Professor of Psychology

LUCILLE PINETTE ZUKOWSKI, M.A. (Colby, Syracuse), 1943-82
Professor of Mathematics

WALTER HENRY ZUKOWSKI, PH.D. (Clark), 1952-82
Wadsworth Professor of Administrative Science

¹On leave full year 1981-82.

²On leave full year 1982-83.

³On leave first semester 1981-82.

⁴On leave first semester 1982-83.

⁵On leave second semester 1981-82.

⁶On leave second semester 1982-83.

⁷Part-time.

⁸On medical leave first semester 1981-82.

⁹On medical leave full year 1981-82.

¹⁰Professors Bernard and Hunter share a joint appointment.

¹¹Professors Dianne and Ira Sadoff share a joint appointment.

¹²Died January 17, 1982.

¹³On medical leave.

VISITING TUTORS
IN APPLIED MUSIC

NORMAN BALABAS
Concertmaster

JUDITH CORNELL, B.A. (California at Santa Barbara)
Voice

CARL DIMOW
Guitar

MARK LEIGHTON, M.A. (New England Conservatory)
Classical Guitar

ADRIAN LO, M.M. (Indiana, Smith)
Electronic Music, Violin, and Viola; Director of Colby Band

MARION McVEA

Piano

JEAN ROSENBLUM, B.A. (Oberlin)

Flute

WILLIAM WALLACE, B.M. (Oberlin)

Piano

MARSHALS

YVONNE RICHMOND KNIGHT, M.B.A.

College Marshal

FRANCISCO ANTONIO CAUZ, PH.D.

THOMAS WILLIAM EASTON, PH.D.

GEORGE CALVIN MACKENZIE, PH.D.

Assistant College Marshals

STANLEY A. NICHOLSON, PH.D.

Platform Marshal

ASSISTANTS

BETSY CHAMPLIN, M.S.

Assistant, Biology

ISABELLE-CLAUDE GUILLIERY, B.A., 1981-82

Assistant, French

JEAN MCINTYRE, B.A.

Assistant, Chemistry

GABRIEL BAHENA OLVERA, 1982-83

Assistant, Spanish

ELFI SCHNEIDENBACH, PH.D., February-June 1982

Assistant, German

To be appointed, 1982-83

Assistant, German

MARI TAKAHASHI, 1982-83

Assistant, Japanese

WILLIAM M. TIERNAN, B.A.

Assistant, Physics

COLLEGE COMMITTEES

The president of the college, and in his absence the dean of faculty, shall be a member ex officio of all committees of the college. Most of these committees are comprised of faculty, students, and administrators.

Administrative

Admissions

Athletics

Bookstore
Computer
Educational Policy
Financial Aid
Financial Priorities
Foreign Study and Student Exchange Programs
 Policy Review and Accrediting
 Study Abroad and Exchange Program Advisers
Independent Major Board
January Program
Library
Senior Scholars
Student Affairs

FACULTY COMMITTEES

Advisory Committee on Faculty Personnel Policies
Appeals Board¹
Graduate Scholarship
Grievance
Hearing Committee for Dismissal Proceedings
Nominating
Promotion and Tenure
Remembrance
Research, Travel, and Sabbatical Leaves
Standing

¹As described in Article v, "Student Judiciary," of *The Student Handbook*.

Administration 1982-83

PRESIDENT, William R. Cotter, J.D.

SPECIAL ASSISTANT TO THE PRESIDENT, Richard N. Dyer, B.A.

VICE-PRESIDENT FOR ACADEMIC AFFAIRS AND DEAN OF FACULTY,
Douglas N. Archibald, PH.D.

ADMINISTRATIVE ASSISTANT TO THE DEAN OF FACULTY, Alice E.
Poirier

ASSISTANT TO THE DEAN OF FACULTY, Elizabeth Kiralis, M.L.S.

REGISTRAR, George L. Coleman II, M.A.

DIRECTOR OF THE COLBY LIBRARIES, Suanne W. Muehlner, M.L.S.,
M.B.A.

ASSISTANT DIRECTOR FOR PUBLIC SERVICE, Frances M. Parker,
M.S.L.S.

AUDIOVISUAL LIBRARIAN, Samuel L. Atmore, M.S.

REFERENCE LIBRARIAN, Rita P. Bouchard, M.A.

HEAD CATALOGUER, Jeanne Burnette, M.L.S.

CATALOGUE LIBRARIAN, Catherine H. Cocks, M.A.L.S.

SPECIAL COLLECTIONS LIBRARIAN, J. Fraser Cocks III, PH.D.

SCIENCE LIBRARIAN, Susan W. Cole, M.S.

REFERENCE LIBRARIAN, Cynthia B. Keating, M.L.S.

ACQUISITIONS LIBRARIAN, to be appointed

DIRECTOR OF THE MUSEUM OF ART, Hugh J. Gourley III, A.B.

DIRECTOR OF DIVISION OF SPECIAL PROGRAMS, Robert H. Kany,
PH.D.

ASSOCIATE DIRECTOR, DIVISION OF SPECIAL PROGRAMS, Joan
Sanzenbacher, B.A.

CHAPLAIN, John H. Ineson, S.T.B.

ADMINISTRATIVE VICE-PRESIDENT, Stanley A. Nicholson, PH.D.

DIRECTOR OF PERSONNEL SERVICES, Nicolaas Kaan, B.B.A.

TREASURER, Douglas E. Reinhardt, M.B.A.

ASSISTANT TREASURER/SENIOR ACCOUNTANT, Anne S. Granger,
M.B.A.

DIRECTOR OF ADMINISTRATIVE SERVICES, Kenneth T. Gagnon, B.A.

BOOKSTORE MANAGER, SueBeth Fair, B.A.

DIRECTOR OF COMPUTER CENTER, Jonathan D. Allen, B.A., on leave

ACTING DIRECTOR, David W. Cooley, M.DIV.

SYSTEMS ANALYST/PROGRAMMER, Judith B. Judkins, B.A.

DIRECTOR OF FOOD SERVICES, J. Paul O'Connor

MANAGER, ROBERTS DINING HALL, Russell W. Colvin

MANAGER, DANA DINING HALL, John Jenkins

MANAGER, FOSS DINING HALL, Dawn Williams

DIRECTOR OF PHYSICAL PLANT, H. Stanley Palmer, S.B.

SUPERINTENDENT, Ansel A. Grindall

FOREMAN, CUSTODIAL SERVICES, J. Norman Poulin
 ASSISTANT FOREMAN, CUSTODIAL SERVICES, Arthur Sawtelle
 FOREMAN, BUILDING MAINTENANCE, Lee Spalding
 FOREMAN, HEATING AND VENTILATION, William Alley, B.S.
 FOREMAN, GROUNDS AND MOVING, Fernand J. Michaud
 MANAGER, BUILDING CONSTRUCTION, Patrick Mullen

VICE-PRESIDENT FOR DEVELOPMENT, Sidney W. Farr, M.A., M.B.A.
 DIRECTOR OF PLANNED GIVING, David L. Roberts, M.S.
 DIRECTOR OF ALUMNI RELATIONS AND ANNUAL GIVING, Charles P.
 Williamson, Jr., B.A.
 ASSOCIATE DIRECTOR OF ALUMNI RELATIONS, Susan Conant, B.A.
 ASSOCIATE DIRECTOR OF ANNUAL GIVING, to be appointed
 ASSISTANT TO THE DIRECTOR, Pamela M. Alexander, B.A.
 RESEARCHER, Mary C. Roy
 ASSOCIATE CAMPAIGN DIRECTOR, to be appointed

DEAN OF ADMISSIONS AND FINANCIAL AID, Robert P. McArthur, PH.D.
 ASSOCIATE DEAN OF ADMISSIONS, Alison K. Bielli, M.ED.
 ASSOCIATE DEAN OF ADMISSIONS, Alice H. Love, B.A.
 ASSISTANT DEAN OF ADMISSIONS, Lloyd E. Hall, A.B.
 ASSISTANT DEAN OF ADMISSIONS, H. O'Neal Turner, M.A.
 ASSISTANT DEAN OF ADMISSIONS, Jane M. Venman, B.A.
 ASSISTANT TO THE DEAN OF ADMISSIONS, Judith L. Brody, B.A.
 ASSISTANT TO THE DEAN OF ADMISSIONS, Jeffrey R. Johansen, B.A.
 DIRECTOR OF FINANCIAL AID, Gary N. Weaver, M.A.
 ASSISTANT DIRECTOR OF FINANCIAL AID, to be appointed

DEAN OF THE COLLEGE, Earl H. Smith, B.A.
 ASSISTANT TO THE DEAN, Lynn M. Bushnell, B.S.
 COORDINATOR OF SCHEDULING AND FACILITIES, Brenda J.
 Toulouse, B.A.
 ASSOCIATE DEAN OF THE COLLEGE, Sonya O. Rose, PH.D.
 DIRECTOR OF CAREER SERVICES, to be appointed
 TUTOR AND STUDY COUNSELOR, Elizabeth Todrank, M.ED.
 DEAN OF STUDENTS, Janice A. Seitzinger, M.A.
 DIRECTOR OF STUDENT ACTIVITIES, Wesley Lucas, M.S.
 ASSOCIATE DEAN OF STUDENTS, James MacK. Gillespie, PH.D.
 DIRECTOR OF INTERCULTURAL ACTIVITIES, F. Joy Montero, M.A.
 ASSOCIATE DEAN OF STUDENTS, Joyce H. McPhetres, M.A.
 HOUSING COORDINATOR, to be appointed
 ACTING DIRECTOR OF SAFETY AND SECURITY, Peter S. Chenevert
 DIRECTOR OF PUBLIC AFFAIRS, Peter J. Kingsley, M.A.
 DIRECTOR OF PUBLICATIONS, Donald E. Sanborn, Jr., B.A.

PUBLICATIONS ASSISTANT, Martha F. Shattuck, B.A.
COLLEGE EDITOR, Lane Fisher
COLLEGE PHYSICIAN, Jeffrey Lovitz, M.D.
DIRECTOR OF HEALTH SERVICES, Carl E. Nelson, M.ED.
CLINICAL PSYCHOLOGIST, Paul P. Perez, PH.D.
CONSULTANT IN SURGERY, John F. Reynolds, M.D.
HEALTH ASSOCIATE, Jane T. Schwartz, B.F.A., P.A.-C.
HEAD NURSE, Priscilla Sargent, R.N.
ASSISTANT TRAINER, to be appointed

Enrollment by States and Countries

CLASSIFIED ACCORDING TO GEOGRAPHICAL
LOCATIONS OF STUDENTS' HOMES 1981-82

	<i>Men</i>	<i>Women</i>	<i>Total</i>		<i>Men</i>	<i>Women</i>	<i>Total</i>
ALL AREAS	875	800	1675	Tennessee	1	1	2
NEW ENGLAND	623	569	1192	Texas	2	4	6
Connecticut	90	83	173	Utah	2	1	3
Maine	117	115	232	Virginia	7	7	14
Massachusetts	346	283	629	Virgin Islands	0	1	1
New Hampshire	35	59	94	Washington	2	2	4
Rhode Island	26	23	49	West Virginia	0	1	1
Vermont	9	6	15	Wisconsin	1	3	4
OUTSIDE NEW ENGLAND	223	218	441	Wyoming	0	2	2
Alaska	1	1	2	FOREIGN COUNTRIES	29	13	42
Arizona	2	0	2	Belgium	1*	1*	2
California	3	12	15	Canada	7*	4**	11
Colorado	3	1	4	China	1	0	1
Delaware	3	3	6	Colombia	1*	0	1
District of Columbia	6	5	11	England	3***	2**	5
Florida	3	3	6	Ghana	3	0	3
Georgia	3	5	8	Hong Kong	1	0	1
Hawaii	0	1	1	Iceland	0	1	1
Illinois	13	16	29	India	1	0	1
Indiana	0	1	1	Italy	1	0	1
Kansas	0	1	1	Japan	1	3*	4
Louisiana	1	1	2	Malaysia	2	0	2
Maryland	12	8	20	Mexico	1	0	1
Michigan	3	6	9	Nepal	1	0	1
Minnesota	8	7	15	Netherlands Antilles	1	0	1
Missouri	2	3	5	Saudi Arabia	0	1*	1
Montana	1	0	1	South Africa	1	0	1
Nebraska	1	0	1	Sweden	1	0	1
New Jersey	31	27	58	Switzerland	1	1*	2
New York	67	64	131	Turkey	1	0	1
North Carolina	1	2	3				
Ohio	11	9	20				
Oklahoma	0	2	2				
Oregon	2	1	3				
Pennsylvania	30	17	47				
Puerto Rico	1	0	1				

Each * denotes one American citizen.

Degrees and Honors

The degree of Bachelor of Arts with honors is awarded in three grades: *summa cum laude* to those who obtain a 3.75 grade point average; *magna cum laude* to those with a 3.50 grade point average; *cum laude* to those with a 3.25 grade point average.

A second category of honors, entitled *distinction in the major*, is awarded to a student on the specific recommendation of the department. To be eligible, the student must have at least an average of 3.25 in the major. The department recommends *distinction in the major* only for those very few students who, in the opinion of the department, merit special recognition.

In American colleges, it is generally considered that the highest honor an undergraduate can receive is election to Phi Beta Kappa. This society, founded in 1776, restricts its chapters to leading colleges and universities, and maintains high scholastic standards. The Beta Chapter of Maine was organized at Colby in 1895.

Each spring, the college recognizes student achievement with the announcement of various honors and awards. Among those recognized are: members of Phi Beta Kappa; Senior Scholars for the ensuing year; winners of college prizes; and recipients of Phi Beta Kappa certificates, awarded to members of the three lower classes for distinction in scholarship.

Academic excellence is also recognized at a convocation each fall for the Julius Seelye Bixler and Charles A. Dana scholars. Bixler Scholars are the top-ranking students as determined by the academic records of the preceding year. Dana Scholars are selected on the basis of a strong academic performance and potential leadership.

The Dean's List, recognizing high academic standing, and announced at the conclusion of each semester, includes the name of every student whose average of all marks in the previous semester has been at least 3.2 in a minimum of 12 basic credit hours for upperclassmen, 3.0 in a minimum of 12 basic credit hours for freshmen. A student with any mark of incomplete is not eligible for Dean's List.

Degrees Awarded at Commencement

Sunday, May 30, 1982

BACHELOR OF ARTS

- Ronald Dale Agnes, Jr., *Smithfield, R.I.*
 Duncan McIndoe Alexander, *Darien, Conn.*
 Bruce Wayne Anderson, *New Bedford, Mass.*
 Jean Marie Appellof, *Middletown, Conn.*
 Alvin D. Arevalo, *Camp Hill, Penn.*
 Carol Anne Arness, *Farmington, Me.*
 Andrea Leigh Atwater, *Bangor, Me.*
 Laurie Ann Avery, *Chester, N.H.*
 Mark Warren Avery, *Wayland, Mass.*
 Joseph Elias Azar, *Accra, Ghana*
 Rebecca Ann Badger, *Palos Verdes, Calif.*
 Susan Grace Bailey, *Marlborough, Mass.*
 Nancy Pauline Baker, *Champaign, Ill.*
 Curtis David Ball, *Gladwyne, Penn.*
 Steven Michael Barbash, *Framingham, Mass.*
 Jonathan Salem Baskin, *Northfield, Ill.*
 Mary Jane Bates, *Blue Hill, Me.*
 Jennifer Williams Batson, *Durham, N.H.*
 Christopher L. Bauer, *Newton, Mass.*
 Wendy Bauer, *Newton, Mass.*
 James Richard Bearce, *Jaffrey, N.H.*
 Jeffra Ann Becknell, *Franklin Lakes, N.J.*
 Michael Peter Beland, *Islesboro, Me.*
 Robert Andrew Benjamin, *Cambridge, Mass.*
 Carolyn Page Berry, *Conway, N.H.*
 Kurt Lawrence Binder, *Dover, Mass.*
 James Francis Bindler, *Upper Saddle River, N.J.*
 Carol Wadsworth Birch, *Hollis, N.H.*
 Amy Ellen Blitz, *Framingham, Mass.*
 John Leland Bowers, *West Hartford, Conn.*
 William Cornell Bowers, *West Hartford, Conn.*
 Andrea Jane Brantner, *Bangor, Me.*
 Ross Alan Brennan, *Fairport, N.Y.*
 Lincoln William Briggs, *New York, N.Y.*
 Nancy Louise Briggs, *Kents Hill, Me.*
 Claire Frances Brovender, *Chelmsford, Mass.*
 Alison Yeardeley Brown, *Clayton, Mo.*
 Jeffery Wylie Brown, *Montclair, N.J.*
 Nancy Elizabeth Brown, *Philadelphia, Penn.*
 Stephen James Brown, *Norwood, Mass.*
 Sara Lynne Brusila, *Bethesda, Md.*
 Jonathan Seth Burgess, *McDonough, Md.*
 Thaddeus Ogden Burr, *Fairfield, Conn.*
 Joyslin Bushman, *Dover, Mass.*
 Kelda Jane Caldwell, *Cumberland Foreside, Me.*
 Christopher Adam Cameron, *Wellesley, Mass.*
 Christopher Roderick Carmosino, *Littleton, Mass.*
 David L. Carr, *Braintree, Mass.*
 Timothy V. Carstens, *East Brunswick, N.J.*
 Douglas William Carswell, *Scarsdale, N.Y.*
 Christopher Hale Castner, *Boxford, Mass.*
 Catherine Lynn Celenza, *Waterville, Me.*
 Linda Diane Churchill, *Exeter, N.H.*
 Mark Anthony Ciarallo, *Beaconsfield, Québec*
 Marie C. Ciccio, *North Reading, Mass.*
 John Arlington Clark, *Saco, Me.*
 Lisa Anne Clark, *Waterville, Me.*
 Michael Emil Clark, *Hubbardston, Mass.*
 Brian Edward Coakley, *Wellesley, Mass.*
 David Frank Condon, *Farmington, Me.*
 Thomas Leon Cone, *Littleton, Mass.*
 Diane Elizabeth Conley, *Portland, Me.*
 Katherine Virginia Cowles, *Woodbridge, Conn.*
 Daniel Thomas Stephen Crocker, *Pittsfield, Mass.*
 Timothy David Cross, *New York, N.Y.*
 John Joseph Crowley, *East Providence, R.I.*
 Julianne Marie Cully, *Weymouth, Mass.*
 Emily Elizabeth Cummings, *Springfield, Mass.*
 Donna Kathleen Curran, *West Springfield, Mass.*
 John Arthur Curseaden, *Lowell, Mass.*
 Robert Emmett Cusack, *Dover, N.H.*
 Kim Regina Daigle, *Acton, Mass.*
 Paul Leslie Damren, *North Belgrade, Me.*
 Richard P. Danton, Jr., *Arlington, Mass.*

- Gregory Mart Davis, *Ashburnham, Mass.*
 Wende Sterling Davis, *Beverly Farms, Mass.*
 Timothy MacDonald Dawson, *Concord, Mass.*
 Timothy Dennison Dean, *Industry, Me.*
 Debra Ann DeJonker, *Methuen, Mass.*
 Scott Gerald Delcourt, *Skowhegan, Me.*
 Mark Leo d'Entremont, *Northboro, Mass.*
 Lesley DeYulio, *Fayetteville, N. Y.*
 Dorothy Ellen Distelhorst, *Vail, Colo.*
 Kathleen E. Docherty, *Glastonbury, Conn.*
 Deborah Ellen Dohan, *Sudbury, Mass.*
 David Dolbashian, *Jackson Heights, N. Y.*
 Tracy Ellen Don, *Rumford, Me.*
 Denise Mary Donahue, *Mansfield, Mass.*
 Matthew Charles Donahue, *Lowell, Mass.*
 Todd William Donovan, *Cincinnati, Ohio*
 Helen Patricia Dooley, *Norfolk, Conn.*
 Thomas Scott Dougherty, *Yarmouth, Me.*
 Damon Greenleaf Douglas III, *Concord, N. C.*
 Lorene Lee Douglas, *Milford, Me.*
 Deirdre Dorothea Duffy, *Tariffville, Conn.*
 Elizabeth Fox Duffy, *Camden, Me.*
 Lawrence Charles Dumont, Jr., *Newcastle, Me.*
 Martin Jay Eisenberg, *Teaneck, N. J.*
 Elizabeth Ann Ellis, *Poquonock, Conn.*
 Howard Joseph Emmons, *Topsfield, Mass.*
 Karen Elizabeth Enegess, *Newton, Mass.*
 James Cornelius Engert, *Washington, D. C.*
 Robert D. English, *Sands Point, N. Y.*
 Margaret Eppler, *Dallas, Tex.*
 Karen Ann Erdos, *York, Penn.*
 Mary Katherine Ernst, *St. Louis, Mo.*
 James Edward Erskine, *Lewiston, Me.*
 Donna Christine Fabiani, *Andover, Mass.*
 Fidel Fajardo Acosta, *Guadalajara, Mexico*
 Barbara Jean Fallows, *Newton, Mass.*
 David Lewis Fanger, *Needham, Mass.*
 Mark F. Farmer, *Danvers, Mass.*
 Beth Ann Feldman, *Worcester, Mass.*
 Wendy Margaret Feuer, *Los Angeles, Calif.*
 Bruce Eric Fields, *Scarsdale, N. Y.*
 Matt Louis Figel, *Denver, Colo.*
 Patrick Joseph Fortin, *Winchester, Mass.*
 Ann D. Foster, *Amherst, Mass.*
 Sarah Donaldson Fox, *Marshfield, Mass.*
 Cathleen Margaret Fracasse, *Cheshire, Conn.*
 Jonathan Douglas Fraser, *Newton, Mass.*
 Bruce Allen Freeberg, *South Harpswell, Me.*
 Susan Parker French, *Ridgefield, Conn.*
 Valerie Fulton, *Framingham, Mass.*
 Diana Jean Fuss, *Wellesley Hills, Mass.*
 Jacqueline Lee Gage, *Ridgefield, Conn.*
 Laura Kimball Gagliano, *Westboro, Mass.*
 Brian Alan Garnick, *Peabody, Mass.*
 Christopher John Gemeasky, *Griswold, Conn.*
 Raymond George, Jr., *Seekonk, Mass.*
 Alexander C. Giger, *Boxford, Mass.*
 Kymberly Anne Gilhooly, *Warren, Me.*
 Mary Elizabeth Glenn, *Pomfret, Conn.*
 Denise Marie Glennon, *Hingham, Mass.*
 Philip Nugent Glouchevitch, *Princeton, N. J.*
 Colleen Ann Glovins, *Gardner, Mass.*
 Carl Hubbard Gluek, *Deerfield, Ill.*
 Miriam Goldberg, *Burlington, Mass.*
 Marc David Gordon, *New York, N. Y.*
 Claudia Goulston, *West Redding, Conn.*
 Jeffrey T. Goverman, *White Plains, N. Y.*
 Richard Carter Grace, *Acton, Mass.*
 Elaine Melanie Grondine, *Oxford, Mass.*
 Ethan Seelye Guiles, *Yarmouth, Me.*
 Ingri Sara Gundersen, *LaCrosse, Wis.*
 James Buchanan Haddow, *Standish, Me.*
 John Vilray Hallowell, *Greenwich, Conn.*
 Gregory A. Hancox, *Wilmington, Mass.*
 Ruth Ellen Harkins, *Wellesley, Mass.*
 Tracy Leigh Harris, *Phoenixville, Penn.*
 Leanice Ann Hart, *Lynnfield, Mass.*
 Susan Katherine Hartley, *Jay, Me.*
 Susan Gail Hatch, *Manchester, Mass.*
 Kimberly Haynes, *Brewer, Me.*
 Brendan Thomas Heneghan, *Stewart Manor, N. Y.*
 Joseph Michael Herman, *Wilbraham, Mass.*
 Mark Stoddard Heroux, *Yalesville, Conn.*
 Laura Jane Higgins, *Scarborough, Me.*
 Paul Joseph Higgins, *Newton, Mass.*
 Iain Lee Hoefle, *Hampton, N. H.*
 Robert Daniel Hoffman, *Plymouth Meeting, Penn.*
 Marguerite Deware Holden, *Albany, N. Y.*

- Britt Ann Holmén, *Chappaqua, N. Y.*
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 Margaret Midori Yanagihara, *Tokyo, Japan*
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 Steven Young, *Dorchester, Mass.*
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 Diane Marlene Zavotsky, *South River, N. J.*
 Linda S. Zee, *Montrose, N. Y.*
 Gay Alison Zimmermann, *Darien, Conn.*
 David Mark Znamierowski, *Glastonbury, Conn.*

Karen Zuffante, *West Newton, Mass.*

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Laura Catherine Byrne, *Brighton, Mass.*

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JoAnn Therese Johnson, *Peterborough, N.H.*

Paul James O'Connor, *Danvers, Mass.*

John David Sortor, *Sherborn, Mass.*

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Kevin Michael Davey, *Warwick, R.I.*

As of the Class of 1978

Norman Edward Bouchard, Jr., *Brookline, Mass.*

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Allison Bradley, *Marblehead, Mass.*

Margaret Ellen Carlton, *Bath, Me.*

Lisa A. Denham, *New York, N.Y.*

Douglas Kent Ferguson, *Hanover, Me.*

Satoru Orlandella, *Peabody, Mass.*

Kurt Wernher Saraceno, *Newton, Mass.*

Edson Peaslee Sheppard III, *Tampa, Fla.*

Krista Stinneford, *Weld, Me.*

HONORARY DEGREE RECIPIENTS

Jack David Foner

Doctor of Humane Letters

Katherine Porter

Doctor of Fine Arts

George Davis Snell

Doctor of Laws

I. F. Stone

Doctor of Letters

Simon Wiesenthal

Doctor of Laws

Honors

BACHELOR'S DEGREE WITH HONORS

Summa Cum Laude

Lorene Lee Douglas

Martin Jay Eisenberg

Fidel Fajardo Acosta

Diana Jean Fuss

Barbara Jeanne Leefman

David Charles Marcus

Haluk Gökhan Nural

Diane Marlene Zavotsky

Magna Cum Laude

Jeffra Ann Becknell

John Arlington Clark

Lisa Anne Clark

Scott Gerald Delcourt

Donna Christine Fabiani

David Lewis Fanger

Wendy Margaret Feuer

Bruce Eric Fields

Miriam Goldberg

Marc David Gordon

Joseph Michael Herman

Robert Daniel Hoffman

Marguerite Deware Holden

Joanna Arlene Holmes

Cynthia Rowland Koehler

Lynn Alexander Mahaffy

Paul Joseph McCrorey

Kathryn Ann McCully

Kathleen Marie McHugh

John Varant Najarian

John Campbell Nivison II

Anne Marie Phaneuf

Susan Jean Prendergast

Nathan Jed Santoro

Brian Hugh Sharples

Edward Solensky, Jr.

James Daniel Sullivan
 Timothy Alan Turner
 Margaret Midori Yanagihara
 David Mark Znamierowski

Cum Laude

Carol Anne Arness
 Wendy Bauer
 Andrea Jane Brantner
 Thaddeus Ogden Burr
 Timothy V. Carstens
 Marie C. Ciccia
 David Frank Condon
 Diane Elizabeth Conley
 John Arthur Curseaden
 Kim Regina Daigle
 Timothy Dennison Dean
 Deborah Ellen Dohan
 Karen Ann Erdos
 Bruce Allen Freeberg
 Susan Parker French
 Valerie Fulton
 Laura Kimball Gagliano
 Mary Elizabeth Glenn
 Carl Hubbard Gluek
 Elaine Melanie Grondine
 Ingri Sara Gundersen
 John Vilray Hallowell
 Ruth Ellen Harkins
 Susan Katherine Hartley
 Britt Ann Holmén
 Donna Ruth Holt
 Elaine Margaret Johnson
 Richard Loyd Kasbo
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 Laura Jean Young

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Fidel Fajardo Acosta
 Marc David Gordon
 Richard Mark Wald

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 Mary Elizabeth Glenn
 Robert Daniel Hoffman
 Cynthia Rowland Koehler

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 Michael Howard Koonce
 Sandra Ann Lang
 Barbara Jeanne Leefman
 John Varant Najarian
 Haluk Gökhan Nural
 Susan Jean Prendergast
 Cynthia Marie Rich
 Laura Jean Young

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John Gordon Kilpatrick III

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Ross Alan Brennan
Nancy Louise Briggs
John Arthur Curseaden
Christopher Edward Landry
Martha Louise Oaks

Art

Alison Marie Martin
Carolyn Judith Treat

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Scott Gerald Delcourt
Jeanne Louise Preso
Kimberlee Ann Smith
Diane Marlene Zavotsky

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Lynn Alexander Mahaffy
James Daniel Sullivan
Richard John Vacherot

Chemistry

Timothy Alan Turner

Chemistry: Biochemistry

Gary Joel Westerman

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Martin Jay Eisenberg
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Miriam Goldberg
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Michael Howard Koonce

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Seth Medalie
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Deborah Ellen Dohan
Donna Christine Fabiani
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John Gordon Kilpatrick III
Donald Eoin McCaughan
Brian Hugh Sharples
Gary Joel Westerman

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Jennifer Williams Batson
Robert Andrew Benjamin
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Bruce Allen Freeberg
Valerie Fulton
Diana Jean Fuss
Mary Elizabeth Glenn
John Vilray Hallowell
Ruth Ellen Harkins
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Pamela Strong
Julia Rachel Tryon

Gary L. Weitzman

French

Joanna Arlene Holmes

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Steven Vincent Stearns

Geology: Environmental Science

Ethan Seelye Guiles

Britt Ann Holmén

German

Carol Anne Arness

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Seth Medalie

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Donna Ruth Holt

Paul Jeffrey McGovern

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Fidel Fajardo Acosta
 Diana Jean Fuss
 Diane Marlene Zavotsky

Elected in Senior Year

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 Lisa Anne Clark
 Scott Gerald Delcourt
 Lorene Lee Douglas
 Martin Jay Eisenberg
 Donna Christine Fabiani
 David Lewis Fanger
 Wendy Margaret Feuer
 Bruce Eric Fields
 Carl Hubbard Gluek
 Miriam Goldberg
 Marc David Gordon
 Elaine Melanie Grondine
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 Joanna Arlene Holmes
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 Michael Howard Koonce
 Barbara Jeanne Leefman
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 David Charles Marcus
 Paul Joseph McCrorey
 Kathleen Marie McHugh
 John Varant Najarian
 John Campbell Nivison II
 Haluk Gökhan Nural
 Anne Marie Phaneuf
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 Nathan Jed Santoro
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James Daniel Sullivan
 Timothy Alan Turner
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 David Mark Znamierowski

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Donna Kathleen Curran

Women Involved in Maine's Political Culture

Martin Jay Eisenberg

Comparative Slave Systems: An Economic Analysis of Sugar Production in Jamaica and Louisiana

Diana Jean Fuss

Contemporary American Women Poets: New Voices, New Visions

Warren Allyn Krueger

Theoretical and Experimental Optical Holography

Carolyn Judith Treat

The Human Figure in Drawing and Sculpture

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 Joseph Michael Herman, *Wilbraham, Mass.*
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 Haluk Gökhan Nural, *Istanbul, Turkey*
 Susan Jean Prendergast, *Malden, Mass.*
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 Abraham Louis Brass, *Newton, Mass.*
 Deborah Diane Brooks, *Unionville, Conn.*
 Christine Michelle Bryan, *Augusta, Me.*
 Pamela Jean Christman, *Sheffield, Mass.*
 Karen Edith Clark, *Rancho Santa Fe, Calif.*
 Laurie A. Clark, *Marlborough, Mass.*
 Kathleen Mary Colbert, *Abington, Mass.*
 Kimberly Sue Corson, *Barrington, R.I.*
 Shauna Louise Cully, *Weymouth, Mass.*
 Eve-Lynne K. Ermer, *Tunbridge, Vt.*
 Barbara Cail Falcone, *Princeton, N.J.*
 Nicholas Francis Ferrala, *Revere, Mass.*
 Julie Anne Fitzmaurice, *Burlington, Mass.*
 Pamela Jane Frederick, *Framingham, Mass.*
 Karen Jo Giammusso, *Andover, Mass.*
 Michael Edward Gibney, *Lakeville, Mass.*
 Brian Dennis Griffin, *Norwell, Mass.*
 Sari Ann Hara, *Warrenton, Va.*
 Michael A. Heel, *Northeast Harbor, Me.*
 Michael Peter Hill, *Waterville, Me.*
 Elizabeth Hurley, *Barrington, R.I.*
 Karen Elizabeth Kozma, *Old Saybrook, Conn.*
 William Michael Kules, *Hopkinton, N.H.*
 Philip Ray Lapp, *Chester Depot, Vt.*
 Robert Kent Lavigne, *Spencer, Mass.*
 Cynthia Carolyn Lloyd, *Westfield, N.J.*
 David Albert Mace, *Amherst, Me.*
 Sally Ellen Mawhinney, *Waltham, Mass.*
 Linda Jeannette Michaud, *Fairfield, Me.*
 Mary Jane Powers, *Osterville, Mass.*

College Prizes 1982

GENERAL *American Bible Society Award.*

Not awarded.

George F. Baker Scholarships. Awarded to sophomores (and usually reawarded to juniors) demonstrating high qualities of character and motivation, a high degree of recognition by their contemporaries, superior mental competence, and an expressed interest in a business career.

1981-82: REBECCA ANN BADGER '82, CAROL WADSWORTH BIRCH '82, DONNA CHRISTINE FABIANI '82, FIDEL FAJARDO ACOSTA '82, SUSAN PARKER FRENCH '82, MIRIAM GOLDBERG '82, MARC DAVID GORDON '82, JOSEPH MICHAEL HERMAN '82, MICHAEL HOWARD KOONCE '82, SANDRA ANN LANG '82, BARBARA JEANNE LEEFMAN '82, JOHN VARANT NAJARIAN '82, ROBERT JAMES PATIENCE '83, SUSAN JEAN PRENDERGAST '82, BRIAN HUGH SHARPLES '82, DAVID MARK ZNAMIEROWSKI '82.

Bixler Scholarships. Awarded annually to top-ranking students, known as Bixler Scholars, in recognition of their academic achievements. The amount of each scholarship, which is not announced, is determined by need.

Frederick F. Brewster Honor Scholarship.

1981-82: JOHN RICHARD OLSON '83.

Colby Library Associates Book Prize.

Not awarded.

Condon Medal. Gift of the late Randall J. Condon, 1886, awarded to the senior who, by vote of his classmates and approval by the faculty, is deemed "to have exhibited the finest qualities of citizenship and has made the most significant contribution to the development of college life."

HELEN PATRICIA DOOLEY '82.

Charles A. Dana Scholarships. Available to qualified sophomores, juniors, and seniors. The purpose of these scholarships is to identify and encourage students of good character with strong academic backgrounds who have given evidence of potential leadership traits.

Adelaide True Ellery Scholarships. Awarded to women for outstanding religious leadership.

1981-82: JOAN FENN DUNCAN '83, CATHERINE CAROLYN HOBSON '83, KATHLEEN ANNE SHEA '82.

Arthur Galen Eustis, Jr., Prize. Awarded to a member of the junior class who, as an adviser to freshmen or as a member of the dormitory staff, has exhibited qualities of integrity, leadership, warmth of personality, and concern for others.

CHRISTOPHER CLEAVES CHABOT '83.

Lelia M. Forster Prizes. Awards are made to the freshman man and woman who, "by their academic performance, the respect they command from their classmates, and the constructive contribution they have made to life on the campus, have shown the character and ideals most likely to benefit society."

STEPHEN RUSSELL LANGLOIS '85, CARLA MARIE THOMPSON '85.

Hillel Honor Award. Presented by the B'nai B'rith Hillel Foundations for outstanding leadership.

JEFFREY SCOTT NOTTONSON '84.

Lieutenant John Parker Holden, II, Award. For students who exemplify the ideals of citizenship, responsibility, integrity, and loyalty.

GEORGE ALBERT RAICHE '83.

Kim Miller Memorial Prize. Given by the alumni and active chapter of Lambda Chi Alpha to an outstanding junior man who exemplifies the qualities of friendship, individualism, and leadership.

JOHN GEORGE LEMOINE '83.

Lorraine Morel Memorial Award. Given to a junior woman who, by her sense of purpose and service, has made significant contributions to the academic and social life of the campus.

SARAH LOVEGREN '83.

Jacqueline R. Nunez Award. Given to a woman student with outstanding qualities.

HELEN PATRICIA DOOLEY '82.

Ninetta M. Runnals Scholarship. Awarded by Delta Alpha Upsilon to an undergraduate woman for scholastic performance, well-defined educational objectives, and community participation.

DIANE ELLEN PETEREC '83.

Scott Paper Foundation Award for Leadership. Awarded to a sophomore who has demonstrated outstanding scholarship, leadership, and participation in extracurricular activities.

1981-82: ROBERT JAMES PATIENCE '83, DIANE ELLEN PETEREC '83.

Student Association Awards. Presented to seniors and college employees for service to the college.

REBECCA ANN BADGER '82, JANE FRANCES WHITE '82, STANLEY A. NICHOLSON, TRUDY KING.

Student Library Contest Prize.

Not awarded.

Philip W. Tirabassi Memorial Award. A book awarded to a junior man who has "willingly assisted his classmates, promoted the best interests of the college, and maintained a superior academic average."

JOHN W. CHAPIN, JR. '83.

Carrie M. True Awards. Given to women selected for pronounced religious leadership and influence on the life of the college.

MAURA ANN CASSIDY '84, MARY E. WHITE '84.

Patty Valavanis Trophy. For a senior woman who has demonstrated excellence in academic achievement and athletic ability.

JEFFRA ANN BECKNELL '82.

Waterville Area Alumni Association Awards. Presented for scholastic and personal achievement to seniors from the Waterville area.

LISA ANNE CLARK '82, WAYNE MICHAEL FISHBURN '83.

Waterville Business and Professional Women's Club Awards.

DIANA JEAN FUSS '82, KATHRYN ANN McCULLY '82.

Norman R. White Leadership and Sportsmanship Award.

SUSAN LEE KALLIO '82.

ADMINISTRATIVE SCIENCE *James J. Harris Prizes.*

SUZANNE MARIE DAWES '83, ROBERT JEFFREY EBER '83, KIMBERLY JOAN KONIECZNY '84, MARK GERARD MAHER '83, CHRISTINE MARSHALL '83, THOMAS JOSEPH MCGILICUDDY '83, CHRISTINA MARIE PADUR '83, DIANE ELLEN PETEREC '83, ELLEN ROBIN SOKOLL '83.

Ernest L. Parsons Prizes.

REBECCA ANN BADGER '82, TIMOTHY DENNISON DEAN '82, JOSEPH MICHAEL HERMAN '82, JOHN GORDON KILPATRICK III '82, MICHAEL HOWARD KOONCE '82, SANDRA ANN LANG '82, BARBARA JEANNE LEEFMAN '82, JAMIE ANN MACKINTOSH '82, JOHN VARANT NAJARIAN '82, HALUK GÖKHAN NURAL '82, SUSAN JEAN PRENDERGAST '82, LAURA JEAN YOUNG '82.

Prentice-Hall Accounting Award.

CHRISTINE ANNE CHENEY '84.

Wall Street Journal Award in Finance.

THOMAS JOSEPH MCGILICUDDY '83.

ART *Charles Hovey Pepper Prize.* Awarded for meritorious creative work in painting or sculpture.

CAROLYN JUDITH TREAT '82.

CLASSICS *John B. Foster Prize.*

SUSAN ELIZABETH BOLAND '83.

DRAMATICS *Andrew Blodgett Award.*

Not awarded.

ECONOMICS *Breckenridge Prize.* Awarded to the senior economics major with the highest grade point average in economics courses.

FIDEL FAJARDO ACOSTA '82.

Faculty Prizes in Economics.

MARTIN JAY EISENBERG '82, MARC DAVID GORDON '82.

ENGLISH *Mary Low Carver Prizes for Poetry.*

FIDEL FAJARDO ACOSTA '82, VALERIE LYNNE FULTON '82, MARK ATWOOD LABDON '82.

Solomon Gallert Prize for Excellence in English.

DIANA JEAN FUSS '82.

Elmira Nelson Jones Prizes for Creative Writing.

BRIAN ALAN GARNICK '82, KARLA SUE HOSTETLER '83, KURT STEVEN OLSSON '83.

GOVERNMENT *F. Harold Dubord Prizes in Political Science.*

ROBERT DANIEL HOFFMAN '82, JOHN CAMPBELL NIVISON '82.

Laurie Peterson Memorial Prize in Government. Given to a junior government major who, through academic achievement and evidence of leadership and character, has made an outstanding contribution to the department.

STEVEN SPIRO NICHOLAS '83.

Susan Lee Yovic Award. Presented to the student who has achieved the highest degree of competence in the field of international law.
Not awarded.

HISTORY *William J. Wilkinson Prize.*

MARGARET HESSLER '83.

William J. Wilkinson and Paul A. Fullam Prizes.

JEFFRA ANN BECKNELL '82, MARTIN JAY EISENBERG '82, DAVID CHARLES MARCUS '82.

INTERDISCIPLINARY STUDIES *American Studies Prizes.*

1st Prize: JOHN ARTHUR CURSEADEN '82.

2nd Prize: ROSS ALAN BRENNAN '82.

3rd Prize: CHRISTOPHER EDWARD LANDRY '82.

East Asian Studies Prizes.

1st Prize: MARGARET MIDORI YANAGIHARA '82.

2nd Prize: MARGARET HINSDALE ENGELHARD '85.

3rd Prize: ELIZABETH ATALANTA ARLEN '84.

Excellence in Human Development Prize.

KATHLEEN MARGARET NICHOLSON '82.

MODERN LANGUAGES *Chinese Book Prizes.*

MARGARET HINSDALE ENGELHARD '85, NANCY JANE HAUCK '84.

French Book Prizes.

LAUREN BETH BALL '85, CHARLES DUNSTAN BODDY '84, MICHAEL

BRIAN BRUNO '85, CAROLYN ANN CARUSO '85, DEIRDRE EILEEN GALVIN '85, SARAH CROWELL KELLOGG '85, JUDITH SUSAN NOYES '85, JOHN PETER O'TOOLE '85, PETER JAMES SACCOZIA '84, SUSAN SCOTT '85, SHIREEN SALAH SHAHAWY '85, CATHERINE ODETTE STEHMAN '85, JOHN MICHAEL TRUMMEL '85, MICHAEL PHILIP VEILLEUX '85, CHARMONGENE WILLIAMS '85, TRACY LEHUALANI WAITE '85.

Japanese Book Prize.

WILLIAM WALTER O'NEIL '84.

Harrington Putnam Prizes for Excellence in German.

Beginning German: RICHARD EUGENE BINDLER '85, ERIC MICHAEL HOFFENBERG '85, MARGUERITE DEWARE HOLDEN '82, MIRIAM RUTH REDCAY '85.

Intermediate German: ERICSSON B. BROADBENT III '84.

Advanced German: CAROL ANNE ARNESS '82, KIRSTEN FOGH WALLACE '84.

Russian Book Prize.

MIRIAM RUTH REDCAY '85.

Spanish Book Prizes.

SCOTT RICHARDSON CLARK '85, MARY ELIZABETH COLBATH '84, TRACY LEIGH GOWEN '85, SUSIE TALBURT '85, ERIC MORGAN TRUCKSESS '85.

MUSIC *Colby College Band Award.*

TRACY ELLEN DON '82.

Ermanno Comparetti Music Prize.

LINDA HURWITZ '82.

Glee Club Awards.

REBECCA ANN BADGER '82, ANDREW GORDON LUCE '83, MARY ELIZABETH RUDOLPH '82.

Lorimer Chapel Choir Awards.

JEFFREY RICHARD JOHANSEN '82, THOMAS ALFRED WARREN '82.

Alma Morrissette Award.

MARGUERITE DEWARE HOLDEN '82.

Symphony Orchestra Awards.

ROBIN FOREST LITTLEFIELD '82, LAVINIA STEFANI '82.

NATURAL SCIENCES *Accreditation by the American Chemical Society.*

JOHN LELAND BOWERS '82, MARK STEPHEN PLUMMER '82, PETER BARRY SANTOS '82, MATTHEW JOSEPH SCHOFIELD '82.

ACS Undergraduate Award in Analytic Chemistry.

JAMES HENRY REYNOLDS '83.

American Institute of Chemists Award.

ROGER PAUL VALLIERE '82.

Thomas C. Bove Awards in Geology.

LISA ANN ROHRMAN '82, STEVEN VINCENT STEARNS '82.

Webster Chester Biology Prize.

JEANNE LOUISE PRESO '82.

Chi Epsilon Mu Prize in Chemistry.

KELLY ANN KEENAN '85.

Alan Samuel Coit Biology Prizes.

SCOTT GERALD DELCOURT '82, JAMES DANIEL SULLIVAN '82.

*Departmental Prizes in Science.**Chemistry, Senior Prize:* TIMOTHY ALAN TURNER '82.*Chemistry, Junior Prize:* JAMES HENRY REYNOLDS '83.*Chemistry, Sophomore Prize:* DAWNE MARIE OGDEN '84.*Geology, Senior Prize:* BRITT ANN HOLMÉN '82.*Geology, Junior Prize:* THOMAS FREDERICK MCPHERDRAN '83.*Geology, Sophomore Prize:* PETER JAMES SACCOCIA '84.*Geology, Freshman Prize:* ELIZABETH GAIL WOODHOUSE '85.*Mathematics:* TEIK AUN CHAN '83, JOSEPH MICHAEL HERMAN '82,

BRIAN ALBERT SANBORN '82, DANIEL EASTMAN WEEKS '83.

Samuel R. Feldman Award for Premedical Studies.

GREGORY FOSTER KEENAN '82.

Geology Alumni Awards.

ERIC ROBERT RIDGWAY '82, LEE DAVID ZALINGER '82.

Mark Lederman Prize for Study of Medicine.

DIANE MARLENE ZAVOTSKY '82.

Mark Lederman Scholarships in Biology.

JAMES DANIEL DEZAZZO '83, KEVIN SCOTT YOUNG '83.

William A. Rogers Prize in Physics.

DAVID WINSLOW NILES '83.

PHILOSOPHY *John Alden Clark Essay Prize in Philosophy and Religion.*

EUGENE NICHOLAS BERNAT '83.

Stephen Coburn Pepper Prize in Philosophy.

WENDY MARGARET FEUER '82.

PSYCHOLOGY *E. Parker Johnson Prize in Psychology.*

HEATHER L. MACDUFFIE '82.

SOCIOLOGY *Albion Woodbury Small Prizes.*

TERRY LEIGH SMITH '82, PATRICK JAMES WOELFEL '82.

GENERAL ATHLETICS *Marjorie D. Bither Award (outstanding senior scholar-athlete).*

SANDRA ANN LANG '82.

Donald P. Lake Award (outstanding senior scholar-athlete).
BRIAN EDWARD RUSSELL '82.

Ellsworth W. Millett Award (outstanding contribution to athletics over four years).
PATRICK JOSEPH FORTIN '82.

MEN'S ATHLETICS *J. Seelye Bixler Award in Track*.
BRIAN EDWARD RUSSELL '82.

James Brudno Award in Track.
BRIAN EDWARD RUSSELL '82.

Coaches' Awards.

Baseball: JOHN JOSEPH CROWLEY '82.

Basketball: Not awarded.

Football: Not awarded.

Hockey: PAUL WILLIAM EICHELROTH '82.

Peter Doran Award in Track.
BRIAN EDWARD RUSSELL '82.

Ewell-Steinberg-Goodhope Lacrosse Award.
MARC COWEN JETON '82.

Paul F. "Ginger" Fraser Award for a Nonletterman in Football.
KEVIN FRANCIS BRUEN '85.

Free Throw Award in Basketball.
HARLAND EDWIN STOREY '85.

Sam Koch Soccer Award.
TIMOTHY DAVID CROSS '82.

Lacrosse Awards.

Most Improved Player: PETER RALPH RUGGLES '83.

Most Valuable Players: PATRICK JOSEPH FORTIN '82, RICHARD JOHN VACHEROT '82.

Robert LaFleur Memorial Basketball Awards.
RICHARD ANTHONY FUSCO '83, ROBERT JAMES PATIENCE '82.

Gilbert F. "Mike" Loeb's Soccer Award.
MICHAEL JAY SCHAFFER '83.

Ellsworth W. Millett Hockey Awards.
PAUL WILLIAM EICHELROTH '82, PAUL KARL MAIER '82.

Most Valuable Defensive Player in Football Award.
Not awarded.

Most Valuable Offensive Player in Football Award.
Not awarded.

Cy Perkins Track Award.

TERRY JOHN MARTIN '85.

Edward C. Roundy Memorial Baseball Award.

THOMAS JOSEPH MCGILlicuddy '83.

Mike Ryan Track Award.

DAVID TODD COFFIN '83.

Theodore N. Shiro Basketball Award.

JAMES RICHARD GAUDETTE '84.

*Squash Awards.**Most Improved Player:* SCOTT ALLEN MORRILL '84.*Most Valuable Player:* JOHN WHIPPLE FILOON III '83.*Swimming Awards.**Most Improved Swimmer:* ERIC ROBERT RIDGWAY '82.*Most Valuable Swimmer:* PAUL CHRISTOPHER BAKER '84.*Tennis Awards.**Most Improved Player:* ANDREW BRADFORD HANSON '83.*Most Valuable Player:* DONALD OWEN McMILLAN '84.*Herbert E. Wadsworth Football Awards.*

MATTHEW JOHN MALEY '82, THOMAS JOSEPH MCGILlicuddy '83.

Robert "Tink" Wagner Baseball Award.

THOMAS LEON CONE '82.

Norman E. Walker Hockey Award.

MARK ANTHONY CIARALLO '82.

Matthew Zweig Award.

ROBERT JAMES PATIENCE '83.

WOMEN'S ATHLETICS *Basketball Awards.**Most Improved Player:* LESLEY FIONA MELCHER '85.*Most Valuable Player:* SUSAN LEE KALLIO '82.*Cross-country Awards.**Most Improved Runner:* JAMIE ANN MACKINTOSH '82.*Most Valuable Runner:* ANN LOUISE CULLENBERG '83.*Field Hockey Awards.**Coaches' Award for Team Spirit:* MAUREEN BETRO '84.*Most Improved Player:* JOYCE CLAIRE HARTWIG '84.*Most Valuable Player:* DIANE ELLEN PETEREC '83.*Ice Hockey Awards.**Captain's Cup for Team Spirit:* KATHRYN CRAVEN HUGHES '85.*Most Improved Player:* SUSAN LESLIE McNIVEN '84.*Most Valuable Player:* JEFFRA ANN BECKNELL '82.

J. V. Field Hockey Awards.

Most Improved Player: Not awarded.

Most Valuable Player: Not awarded.

J. V. Lacrosse Award.

Most Improved Player: ANNE RACHEL BOATRIGHT '85.

Susan Lee Kallio Award for Exceptional Contribution to Women's Basketball.
SUSAN LEE KALLIO '82.

Lacrosse Award.

Most Valuable Player: SANDRA ANN LANG '82.

Soccer Awards.

Captain's Cup for Team Spirit: ELIZABETH ANN ELLIS '82.

Coaches' Award for Freshman with Most Potential: ANNE RACHEL BOATRIGHT '85.

Leadership Award: Not awarded.

Most Improved Player: LINDA DIANE CHURCHILL '82.

Most Valuable Players: JEFFRA ANN BECKNELL '82, KATHERINE VIRGINIA COWLES '82.

Softball Awards.

Captains' Award for Contribution to Team: TRACY ANN SOTIR '84.

Most Valuable Players: ANNE MARIE GEAGAN '83, KATHRYN ADAMS NICKERSON '84.

Spring Outdoor Track Awards.

Coaches' Award: Not awarded.

Most Points Scored: TERRIE JEAN HANNA '85.

Most Valuable Runner: TERRIE JEAN HANNA '85.

Squash Awards.

Most Improved Player: JILL BURR JEFFERY '82.

Most Valuable Player: MARSHA ANN LANDAU '84.

Swimming Awards.

High Point Award: Not awarded.

Most Improved Swimmer: ELIZABETH ELLEN WHEATLEY '84.

Most Valuable Swimmer: DEBORAH ANN ENGLAND '85.

Tennis Awards.

Most Improved Player: JENNIFER LYNN SWANSON '84.

Most Valuable Player: MAURA ANNE SHAUGHNESSY '83.

Winter Indoor Track Awards.

Most Improved Runner: JACQUELINE WHITE '84.

Most Points Scored: TERRIE JEAN HANNA '85.

Most Valuable Runner: DEBRA ANN LINDBERG '85.

Index

- Absence, 23, 47
 Absence from Exams, 55, 56
 Academic Counseling, 2
 Academic Honesty, 24, 57
 Academic Procedures, 58
 Academic Program, 45
 Academic Standards, 55
 Academic Standing, 55
 Accreditation, 2, 5
 ACS Chemistry Major, 83
 Activities, Student, 31
 ACT Tests, 6, 8
 Administrative Science, 61
 Administrative Science-Mathematics Major, 61
 Administration, 223
 Administration, Preparation for, 19
 Admission, 2, 6
 Application Procedure, 6
 Campus Visits, 7
 Deposit, 7, 12, 13
 Foreign Students, 10
 Interviews, 7
 Schedule, 7
 Tests, 7
 Adult Education (See Special Programs)
 Advance Payments, 12, 13
 Advanced Standing, 8
 Adviser, Faculty, 47, 48
 Alcoholic Beverages, Regulations, 24
 American Studies, 64
 Ancient History, 68
 Annual Basic Charges, 12
 Anthropology, 69
 Application for Admission, 6
 Applied Music Fee, 14, 156
 Arboretum and Bird Sanctuary, 30
 Art, 71
 Art and Music Center, 28, 31, 35
 Art Collections and Exhibitions, 31
 Arts, Preparation for, 20
 Assistants, Departmental, 221
 Astronomy, 75
 Athletic Facilities, 29
 Athletics, 32
 Attendance, 23
 Attendance Deposits, 12, 13
 Audiovisual Center, 27
 Auditing Courses, 54
 Augmented Credit, 60
 Awards, 227, 240

 Band, 35
 Behavior, 23
 Bermuda Semester, 115
 Bills (See Student Fees)
 Biology, 75
 Bixler Scholars, 227, 237, 240
 Black Studies, 82
 Board Fee, 12, 13, 15
 Board of Trustees, 199
 Buildings, Campus, 28
 Bunche Scholars, 40, 238
 Business Administration (See Administrative Science)
 Business Matters, 2

 Calendar, College, 252
 Calendar of Payments, 12
 Campus, 28
 Campus Life, 31
 Campus Visits, 7
 Career Planning, 19
 CEEB Tests, 6, 7, 8, 11, 45
 Changes of Course, 48
 Chapel, 28, 37
 Chemistry, 83
 Chemistry-Biochemistry Major, 83
 Chemistry-Environmental Sciences Major, 84
 Chinese, 87
 Choir, Chapel, 35, 38
 Class Standing, 55
 Classical Civilization Program, 88
 Classics, 87
 Classics-English Major, 88
 Classics-Philosophy Major, 88
 Colby, 2
 Colby College History, 39
 Colby Echo, 38
 Colby in Caen Fee, 14
 Colby in Caen Program, 51
 Colby Library Associates, 27
 Colby Library Quarterly, 27

 Colby Community Music Associates, 35
 Colby Community Music Series, 35
 College Boards (See CEEB Tests)
 Commencement, May 1982, 228
 Committees:
 College, 221
 Faculty, 222
 Overseers, 204
 Comparative Literature (See Literature in Translation)
 Computer Resources, 53
 Computer Science, 89
 Concentration of Studies, 48
 Concerts, 35
 Conduct (See Behavior)
 Conflict of Exams, 56
 Corporation, College, 199
 Courses:
 Auditing, 54
 Changes of, 48
 Election of, 48
 Key to Numbering, 60
 Repeated, 55
 Withdrawal from, 55
 Courses of Study, 60
 Credits:
 Augmented, 60
 By Examination, 8
 Transferred, 58
 Cuernavaca Program, 52

 Damage to or Loss of College Property, Liability for, 15
 Dana Scholars, 227, 238, 240
 Dance, 36
 Dean's List, 227
 Degree Conferred, 5, 227
 Degree Requirements, 45
 Degrees, May 1982:
 Bachelor of Arts, 228
 Honorary, 233
 Dentistry, Preparation for, 21
 Deposits Required, 12, 13
 Developmental Reading, 11
 Diets, Special, 38
 Dishonesty, 24, 57
 Dismissal, 15, 23, 24, 56

- Distinction in the Major, 227, 234
 Distribution Requirements, 45
 Division Requirements:
 Humanities, 46
 Natural Sciences, 46
 Physical Education, 47
 Social Sciences, 46
 Dormitories, 25, 28
 Dormitory Damage Fines, 15
 Drama, 36
 Drugs, Regulations, 24
- Early Admission, 8
 Early Decision, 6, 18
 Earth Science Option, Geology Major, 115
 East Asian Studies, 90
Echo, Colby, 38
 Economics, 91
 Economics-Mathematics Major, 92
 Education, 97
 Education, Preparation for, 20
 Educational Television Station (See WCBB-TV)
 Election of Courses, 48
 Emeriti, 205
 Employment, Student, 2, 18
 Endowment, 5
 Engineering, Preparation for, 20
 English, 101
 English Composition and Literature Requirements, 45
 Enrollment, 5, 226
 Environmental Science Concentration, Biology Major, 76
 Environmental Science Option, Geology Major, 115
 Exams, 56, 252
 Exchange Program Credits, 58
 Exchange Programs, 52, 59
 Excused Absences, 23, 56
 Exemption by Examination, 47
 Exhibitions, 31
 Extracurricular Activities, 31
- Faculty, 5, 205
 Faculty Adviser, 47, 48
- Family Educational Rights and Privacy Act, 25
 Fees, Student, 12
 Field Experience, 52, 109
 Films, 32
 Finances (See Student Fees)
 Financial Aid, 2, 18
 Financial Aid, Foreign Students, 10
 Fines, 15
 Foreign Language Placement Tests, 8, 11, 45, 150
 Foreign Language Requirements, 45
 Foreign Languages, 150
 Foreign Students, 10, 46
 Foreign Study Credits, 58
 Foreign Study Programs, 51
 Fraternities, 32
 Fraternity Fee, 14
 French, 109
 Freshman Orientation, 11
 Freshman Program, 47
 Friends of Art, 31
- General Fee, 12, 14, 15
 General Information, 5
 General Regulations, 23
 Geographical Distribution of Students, 226
 Geology, 114
 Geology-Biology Major, 115
 Geology-Chemistry Major, 115
 German, 119
 Glee Club, 35, 38
 Government, 121
 Government Service, Preparation for, 21
 Grades (See Marks)
 Graduate Schools, Preparation for, 19
 Graduation Requirements, 45
 Grants and Loans, 2, 18
 Greek, 129
- Health Center, 29
 Health Certificate for Admission, 9
 Health Policy, 24
 Health Services, 2
 History, 130
- History, Ancient, 68
 History of Colby College, 39
 Honors, 227, 233, 240
 Hour Exams, 56
 Housing, 12, 13, 25, 28
 Human Development, 138
- Incomplete Work, 55
 Independent Majors, 49
 Independent Study, 49
 Infirmary (See Health Center)
 Inquiries, 2
 Intercollegiate Athletics, 32
 Interdepartmental Majors, 49
 Interdisciplinary Majors, 49
 Interviews for Admission, 7
 Intramural Sports, 33
 Italian, 139
- January Program, 45, 49, 140, 252
 January Program Fee, 14
 Japanese, 140
 Jobs, Student (See Employment)
 Junior Year Abroad (See Foreign Study Programs)
- Language Placement, 8, 11, 45, 150
 Language Requirements, 45
 Late Registration, 48
 Latin, 141
 Law, Preparation for, 21
 Leave of Absence, 58
 Lectures, 33
 Legal Studies, 142
 Library, 5, 26
 Linguistics, 143
 Liquor, Regulations, 24
 Literary Collections, 26
 Literature in Translation, 144
 Loans and Grants, 2, 18
- Major, 48
 Major, Requirements for (See subject, e.g., Economics, Geology, etc.)
 Marks, 45, 55, 56
 Marshals, 221
 Mathematics, 146

- Mathematics Placement, 11
 Mayflower Hill Scholars, 40, 238
 Medicine, Preparation for, 21
 Modern Foreign Languages, 150
 Museum of Art, 28, 31
 Music, 151
 Musical Activities, 35

 Nature Preserves, 30
 Nondiscrimination Policy, 2
 Nonmatriculated Students, 9

 Off-Campus Assets, 30
 Off-Campus-Living Refund, 14
 Off-Campus Programs, 52
 Officers of the College, 199
Oracle, 38
 Orchestra, 35, 38
 Organizations, Student, 37
 Orientation for Freshmen, 11
 Overpayments, 17
 Overseers of the College, 201

 Parent Loan Plan, 16, 18
 Pass/Fail, 56
 Payment of Bills and Fees, 12, 15, 48
 Performing Arts, 36, 156
 Performing Arts Center, 29
 Phi Beta Kappa, 227, 237
 Philosophy, 160
 Philosophy and Religion Major, 161, 177
 Philosophy-Mathematics Major, 161
 Physical Education, 165
 Physical Education Requirement, 47, 166
 Physics, 167
 Placement in Foreign Languages, 8, 11, 45, 150
 Placement in Mathematics, 11
 Point Scale in Major, 48
 Points, Quality, 45
 Portuguese, 170
 Presidential Scholars, 239
 Presidents of Colby College, 41
 Prizes, College, 227, 240
 Probation, 56

 Professional Schools, Preparation for, 19
 Psychology, 170
 Psychology-Mathematics Major, 171
 Public Policy, 175

 Quality Requirements, 45
 Quantity Requirements, 45
 Quizzes, 56

 Radio Colby, 37
 Reading Period, 58, 252
 Reading Tests, 11
 Readmission, 58
 Records, Student, 2, 25
 Refunds, 14, 16, 17
 Regional and Canadian Studies, 176
 Registration, 48, 252
 Regulations, General, 23
 Religion, 177
 Religious Activities, 37
 Repeated Courses, 55
 Residence Requirements, 47
 Room Deposit, 12, 13
 Room Fee, 12, 13, 15
 Room Reservations, 14
 Russian, 182

 Scholarships, Foreign Study, 52
 Scholastic Aptitude Test, 7
 Science Center, 28
 Sciences, Preparation for, 20
 Selected Topics, 183
 Semester Exams, 56, 252
 Semester Statements, 12, 14, 17
 Senior Scholars, 53, 227, 237
 Sickness and Accident Insurance, 14
 Social Rules, 23
 Sociology, 183
 Sororities, 32
 Spanish, 188
 Special Programs, 2, 191
 Standing, Academic, 55
 Standing, Advanced, 8
 Student Association, 23, 38
 Student Exchange, 52, 59
 Student Fees, 12
Student Handbook, 23

 Student Organizations, 37
 Student Records, 2, 25
 Student's Program of Study, 47
 Summer Programs (See Special Programs)
 Summer School Credits, 58
 Suspension, 15, 24

 Teacher Certification, 97, 150
 Tests (See Exams)
 Theology, Preparation for, 21
 Three-Two Programs, 20
 Transcripts, 2, 59
 Transfer Student Requirements, 8, 46, 58
 Transferred Credits, 58
 Trustees of the College, 199
 Tuition Fee, 12, 13, 15
 Tuition Payment Plans, 16

 Vacations, 252
 Veterans, 9
 Visiting Tutors in Applied Music, 220

 Warnings, 55
 WCBB-TV, 30
 Western Civilization, 192
 Withdrawal from College, 16, 58
 Withdrawal from Course, 55
 WMHB-FM, 37
 Women's Studies, 194

College Calendar 1982-83

FIRST SEMESTER

Saturday, September 4	Freshman program begins
Tuesday, September 7	Upperclass registration
Wednesday, September 8	First classes
Friday-Sunday, October 8-10	Homecoming weekend
Friday-Sunday, October 15-17	Weekend for families of sophomores, juniors, and seniors
Friday, October 22	Midsemester
Monday, October 25	Midsemester break (no classes)
Friday-Sunday, October 29-31	Weekend for families of freshmen
Wednesday, November 24, at the conclusion of 12:30 classes to Monday, November 29, 8:00 a.m.	Thanksgiving recess
Friday, December 10	Last classes of the first semester
Saturday, December 11	Last day for scheduled events
Wednesday, December 15 <i>through</i>	Semester examinations
Monday, December 20 (including Sunday)	Make-up examinations
Tuesday, December 21	Christmas recess begins (residence halls closed)
Wednesday, December 22	January program
Monday, January 3 <i>through</i>	
Friday, January 28	

SECOND SEMESTER

Tuesday, February 1	Registration
Wednesday, February 2	First classes
Friday, March 18	Midsemester
Friday, March 18, 5:30 p.m. to	Spring recess (residence halls closed)
Monday, March 28, 8:00 a.m.	
Monday, April 25 <i>through</i>	Optional reading period for 300- and 400-level courses
Friday, May 6	Last classes of the second semester
Friday, May 6	Last day for scheduled events
Saturday, May 7	Semester examinations
Wednesday, May 11 <i>through</i>	Make-up examinations
Monday, May 16 (including Sunday)	Commencement
Tuesday, May 17	
Sunday, May 22	

The college reserves the right in its sole judgment to make changes of any nature in its program, calendar, or academic schedule whenever it is deemed necessary or desirable, including changes in course content, the rescheduling of classes with or without extending the usual academic term, cancellation of scheduled classes and other academic activities, and requiring or affording alternatives for scheduled classes or other academic activities, in any such case giving such notice thereof as is reasonably practicable under the circumstances.

Admissions Office
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